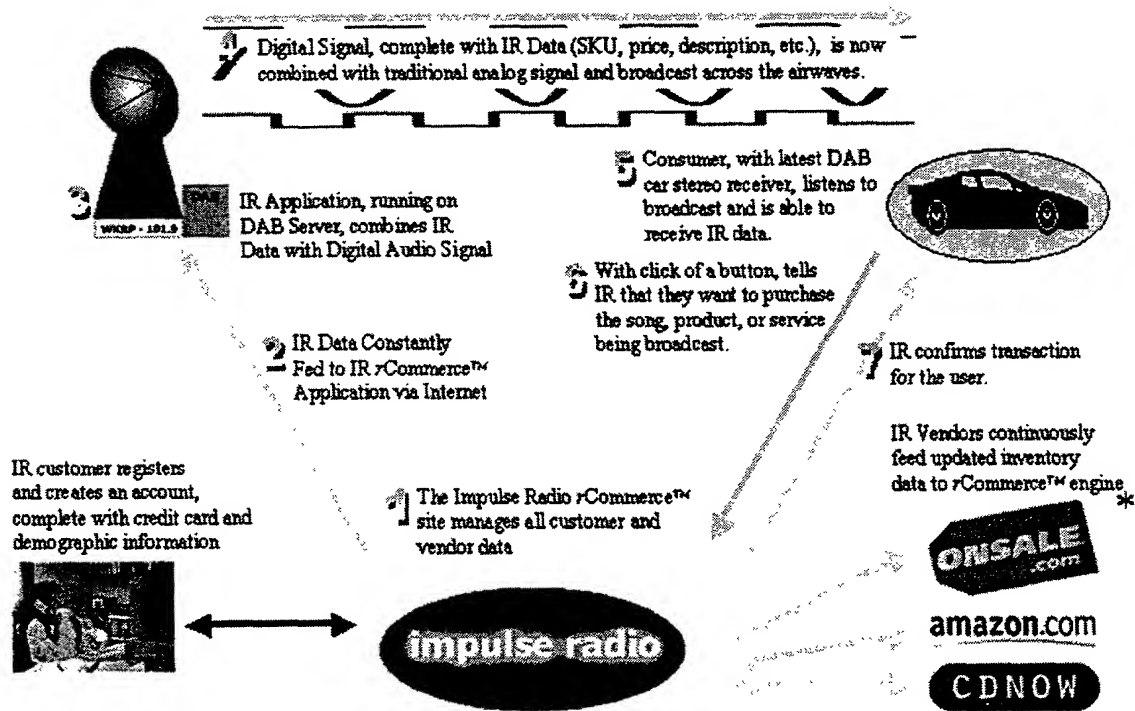


FIGURE 1

rCommerce Overview



*Vendor logos for illustration purposes only

FIGURE 2

rCommerce Overview

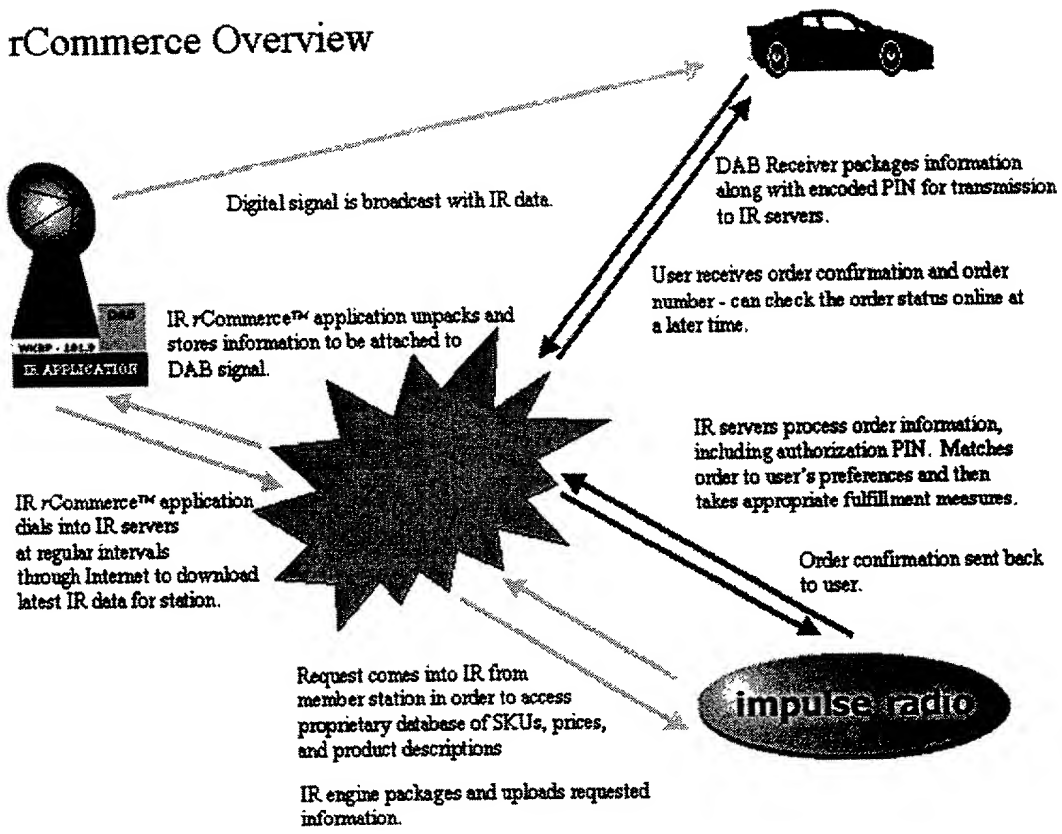


FIGURE 2 "rCommerce Overview"

```

<!ELEMENT AudioSpace ( DigitalCopySet+ ) >

<!ELEMENT DigitalCopy ( Display | DisplayCode | bg | layout | timeLength )* >
<!ATTLIST DigitalCopy id ( 100097 | 100099 | 100101 ) #REQUIRED >
<!ATTLIST DigitalCopy name ( adline0 | adline1 | adline2 | adline3 ) #REQUIRED >

<!ELEMENT DigitalCopySet ( name, DigitalCopy+ ) >
<!ATTLIST DigitalCopySet frame NMTOKEN #REQUIRED >

<!ELEMENT Display ( img | text )* >

<!ELEMENT DisplayCode ( #PCDATA ) >
<!ATTLIST DisplayCode type CDATA #FIXED "text/html" >

<!ELEMENT bg EMPTY >
<!ATTLIST bg color ( 000069 | 000099 ) #REQUIRED >

<!ELEMENT img ( src ) >

<!ELEMENT layout EMPTY >
<!ATTLIST layout halign NMTOKEN #FIXED "center" >
<!ATTLIST layout valign ( center | top ) #REQUIRED >

<!ELEMENT name ( #PCDATA ) >

<!ELEMENT src ( #PCDATA ) >

<!ELEMENT text ( #PCDATA ) >
<!ATTLIST text color NMTOKEN #REQUIRED >
<!ATTLIST text font NMTOKEN #FIXED "SansSerif" >
<!ATTLIST text size NMTOKEN #REQUIRED >

<!ELEMENT timeLength ( #PCDATA ) >

```

FIGURE 3

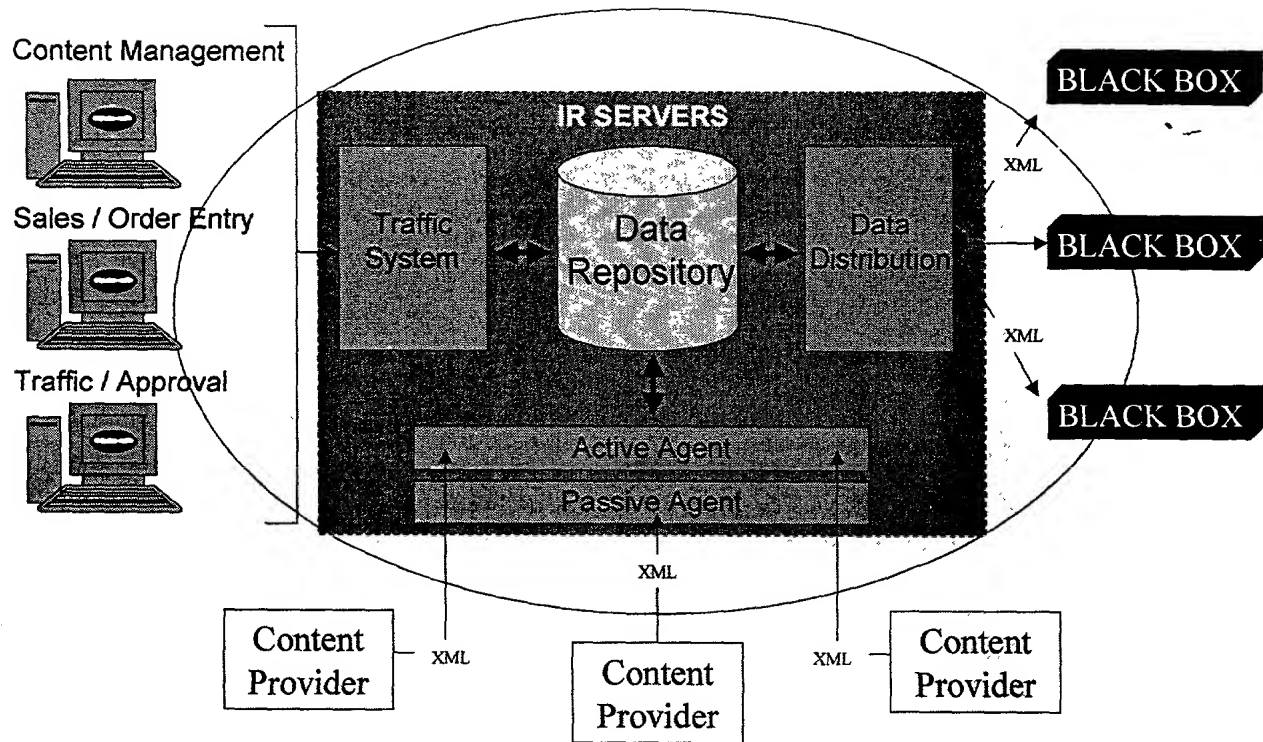


FIGURE 4

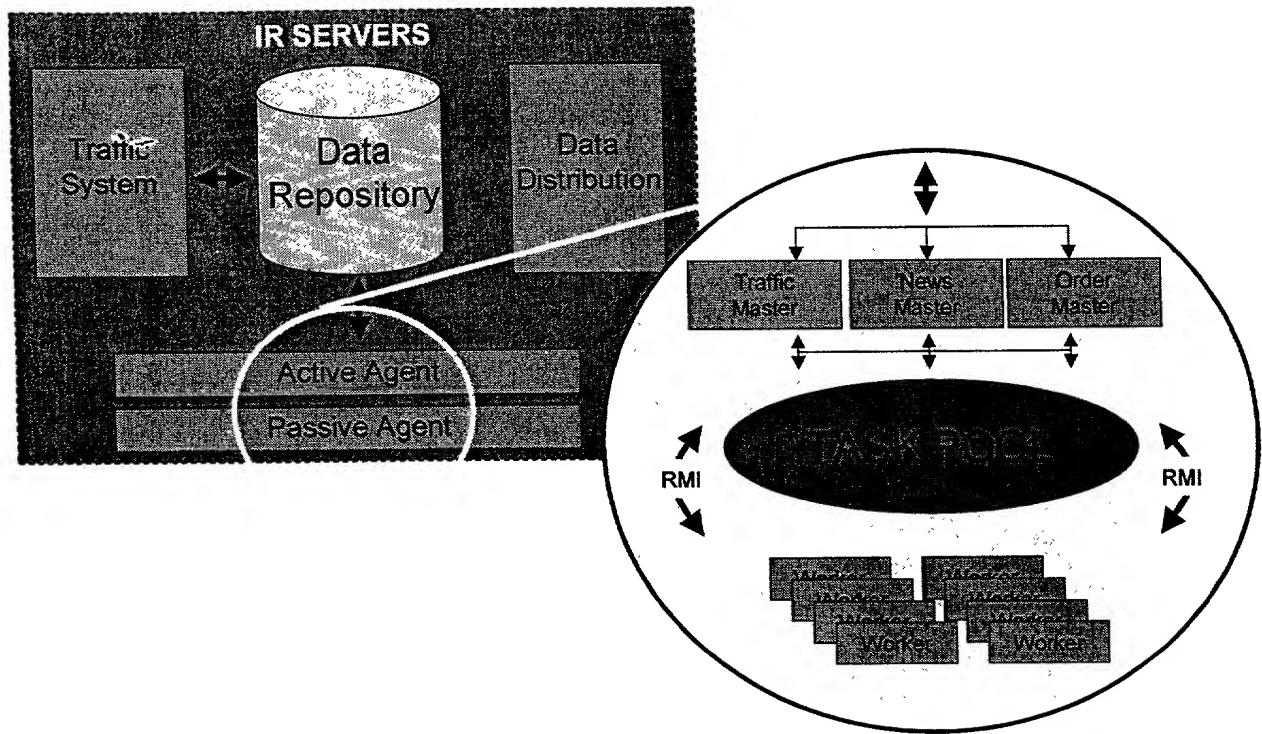


FIGURE 5

Data Transfer

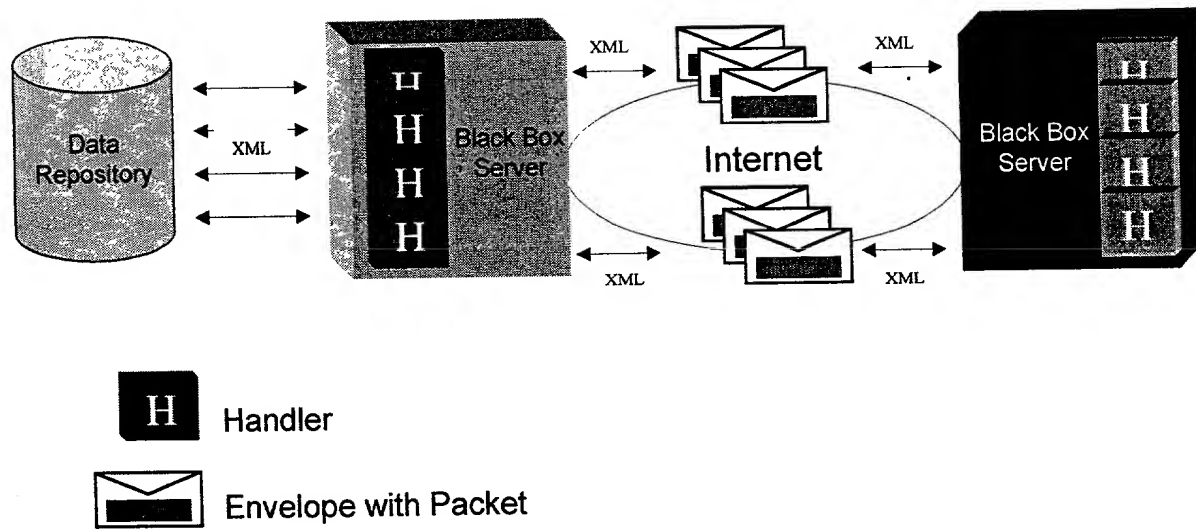


FIGURE 6

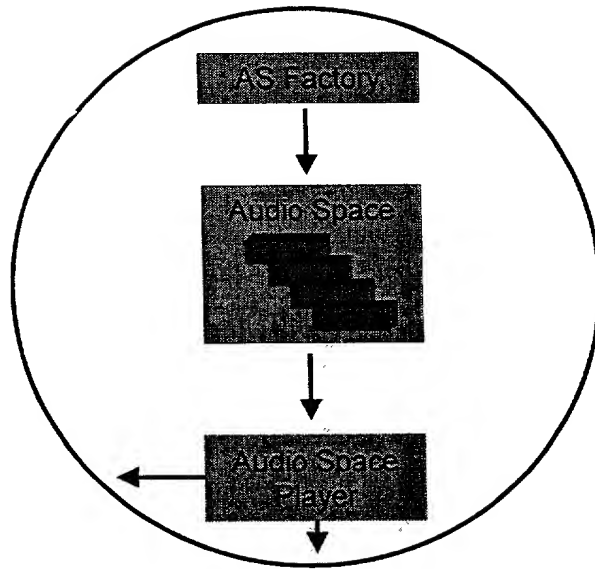
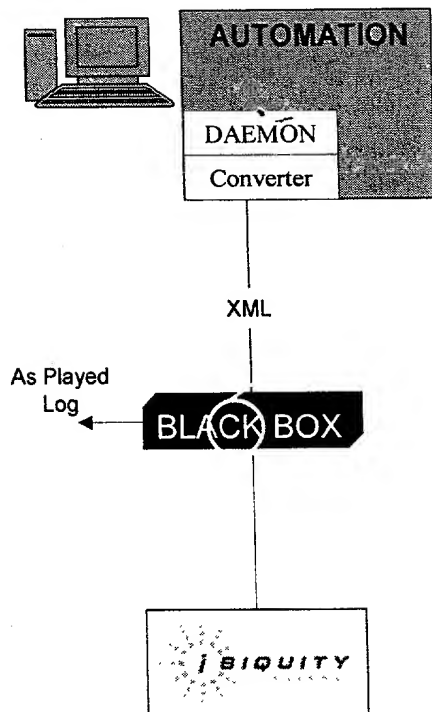


FIGURE 7

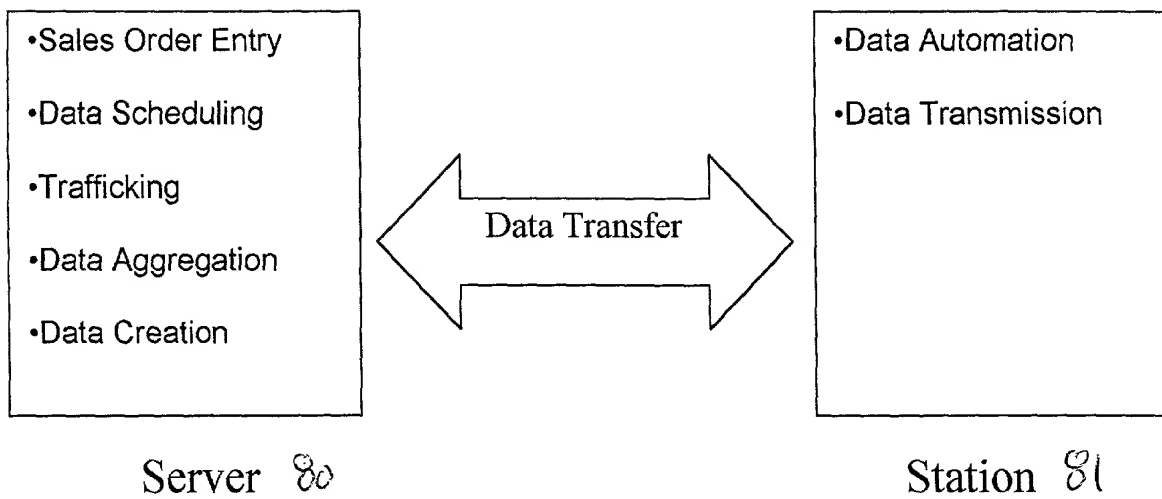


FIG. 8

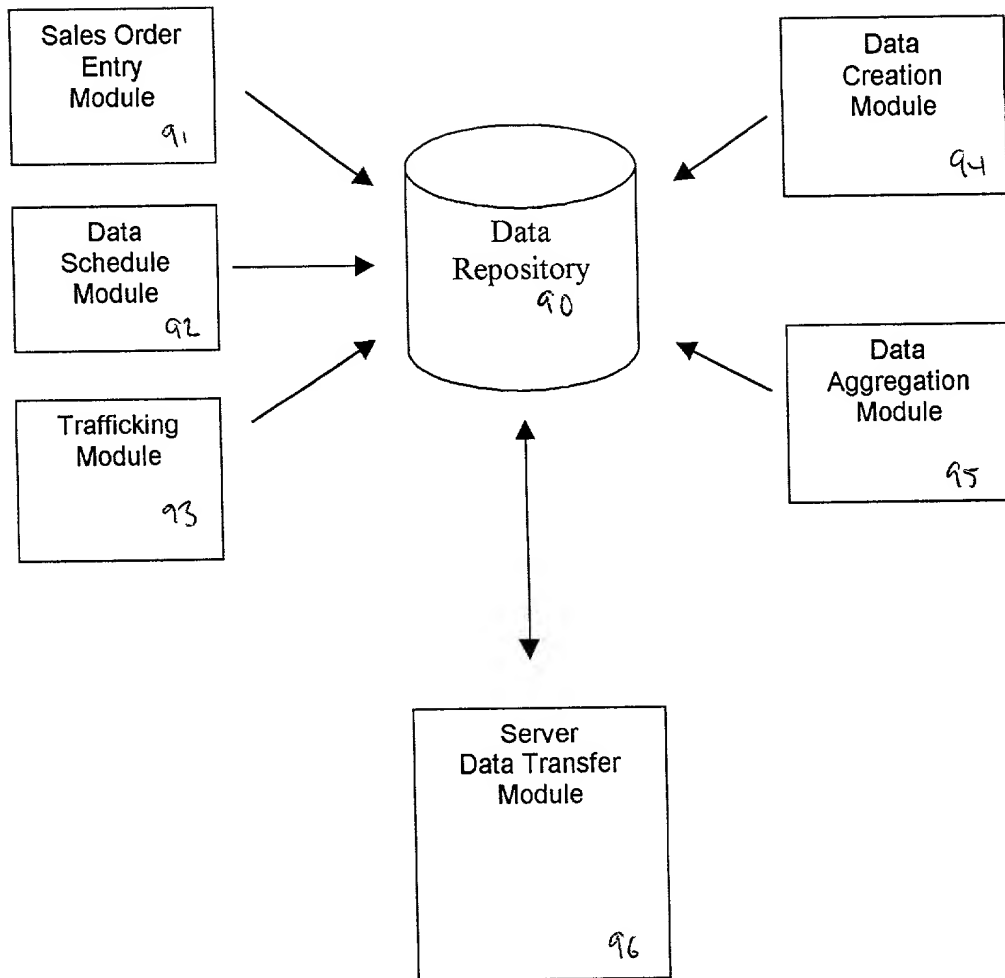


FIG. 9

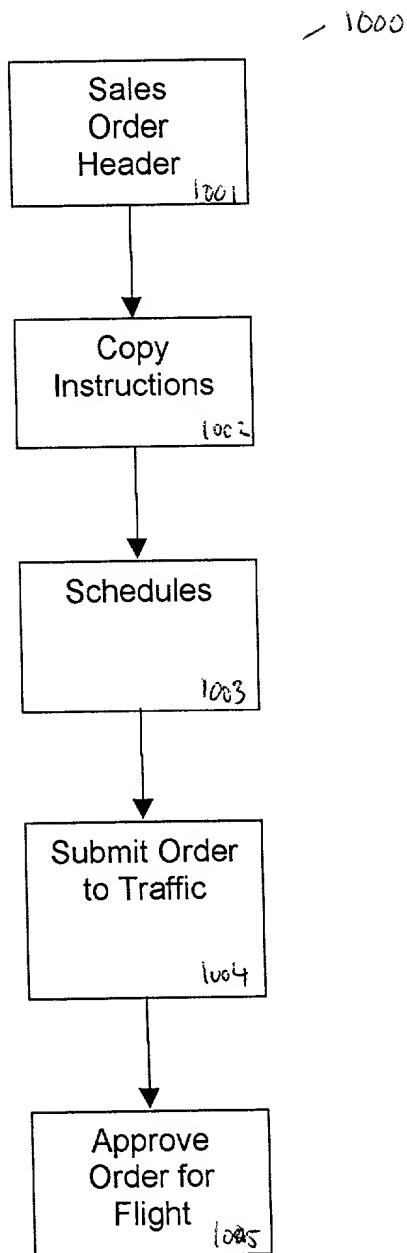


FIG. 10A

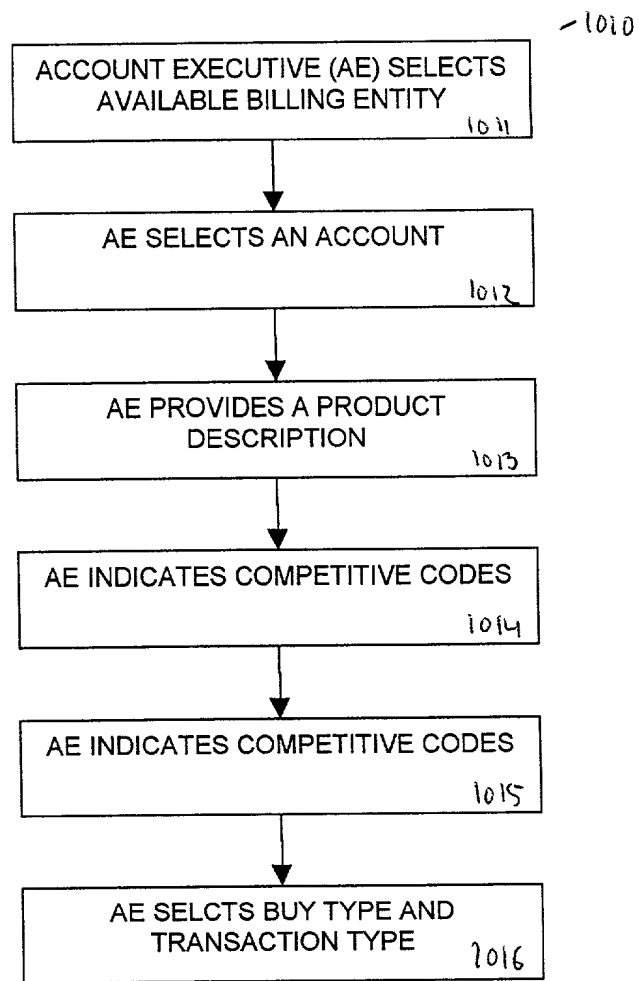


FIG. 10B

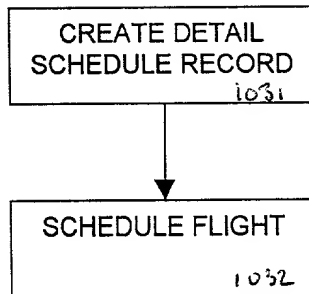


FIG. 10D

FIG. 10E

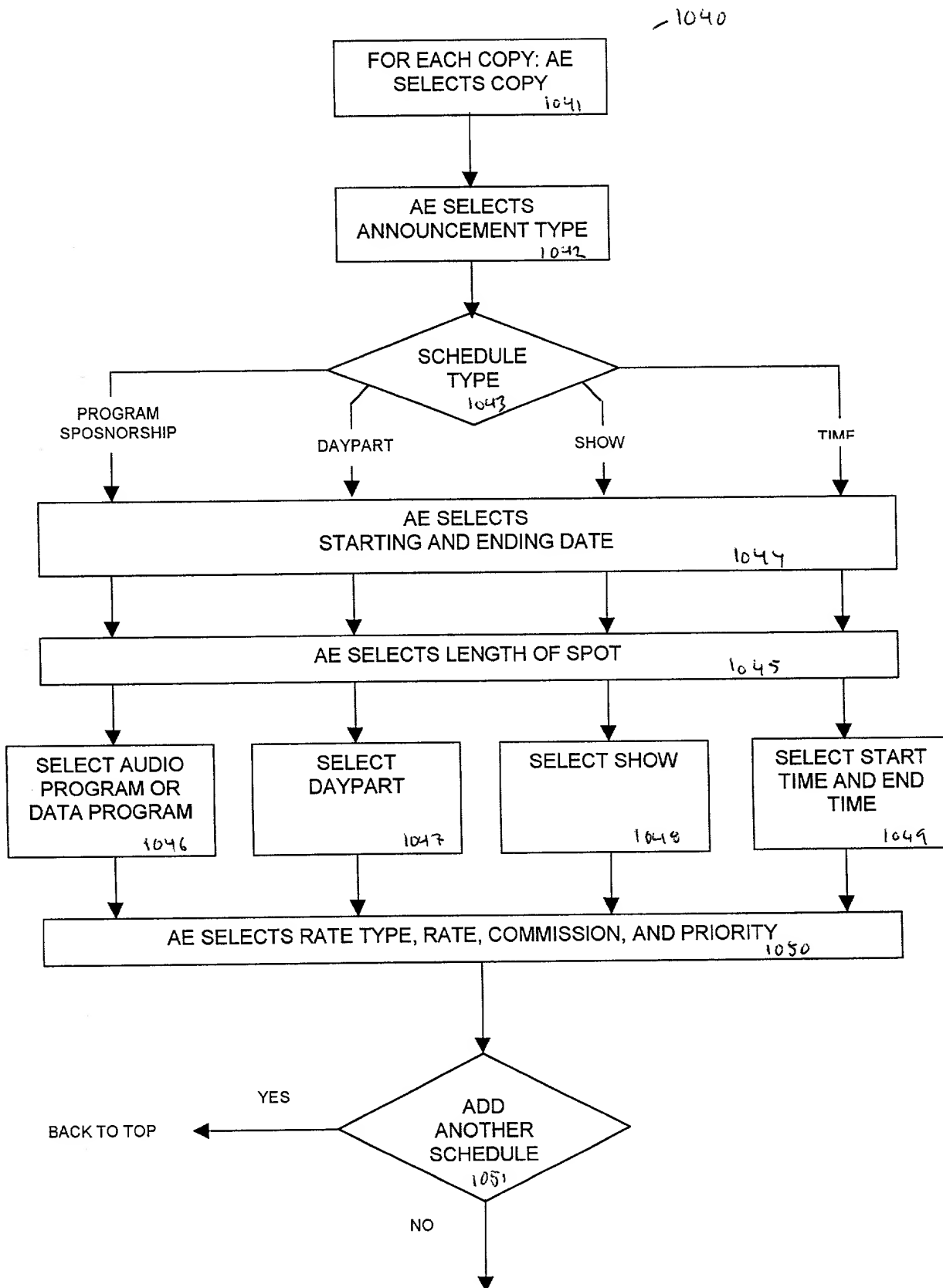


FIG. 10E

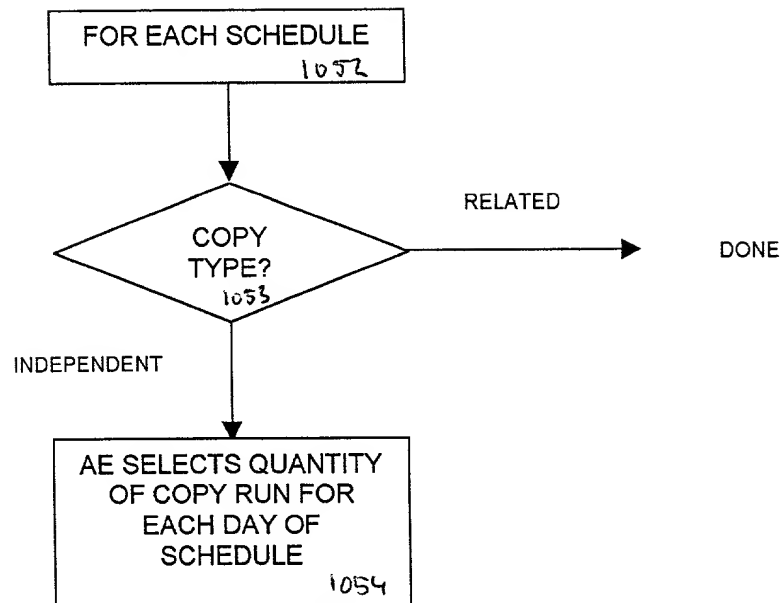


FIG. 10F

1060

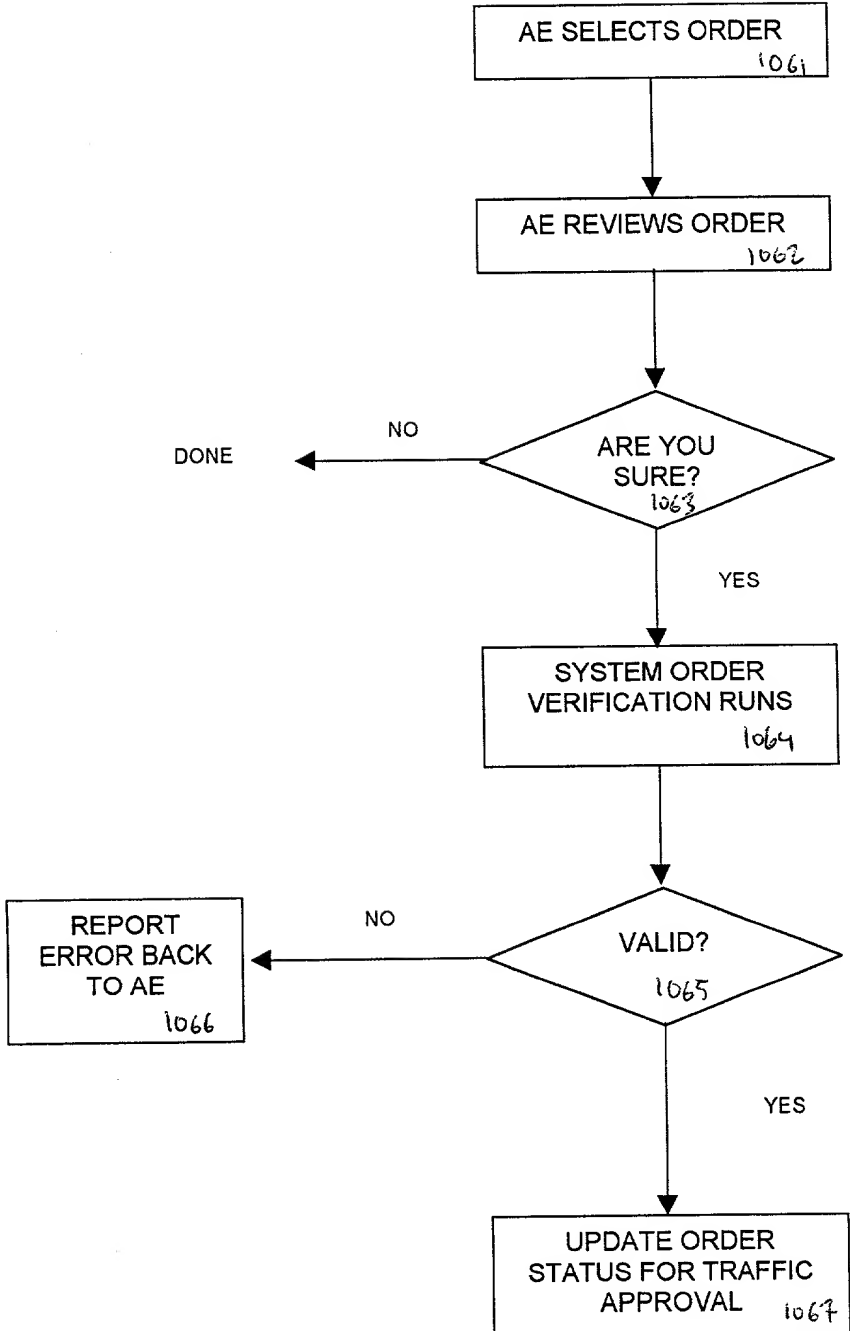


FIG. 10G

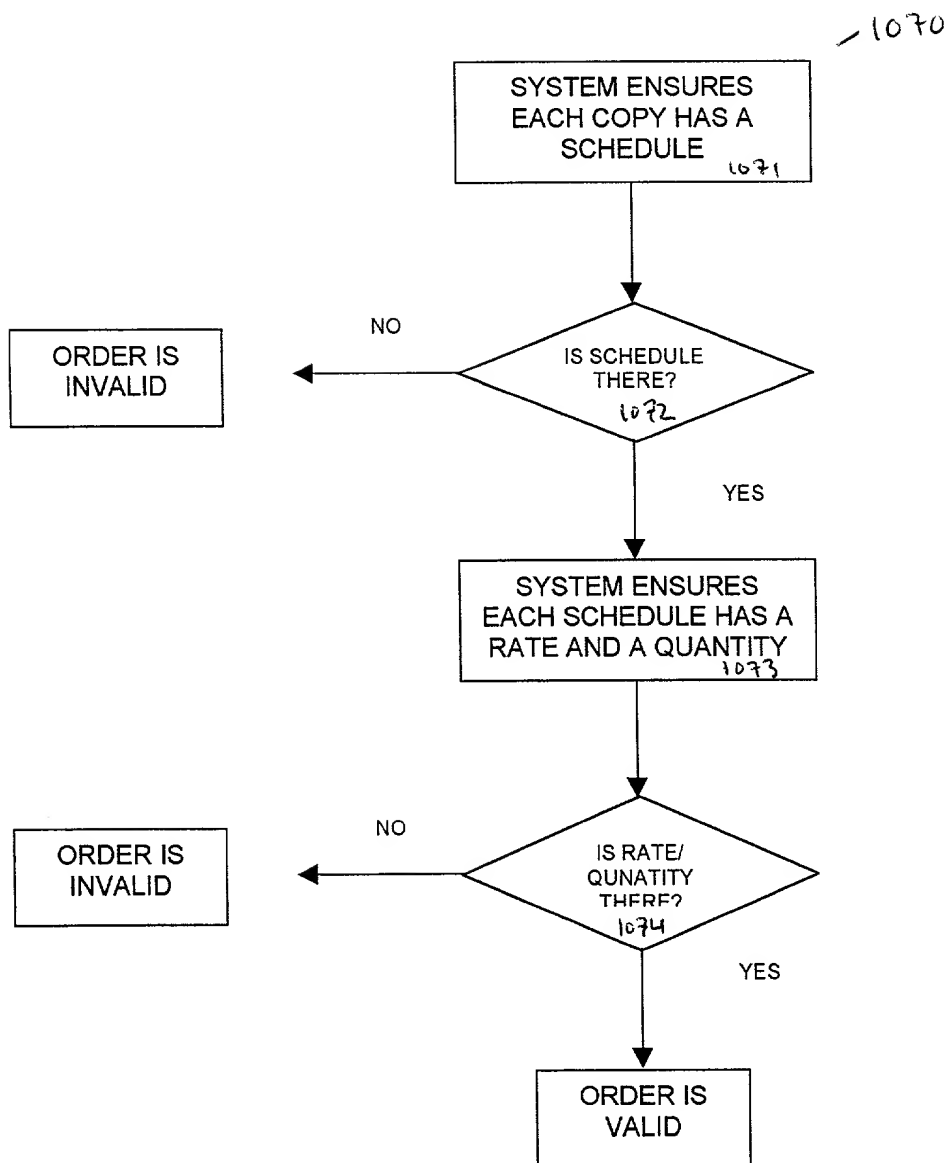


FIG. 10H

FIG. 10I

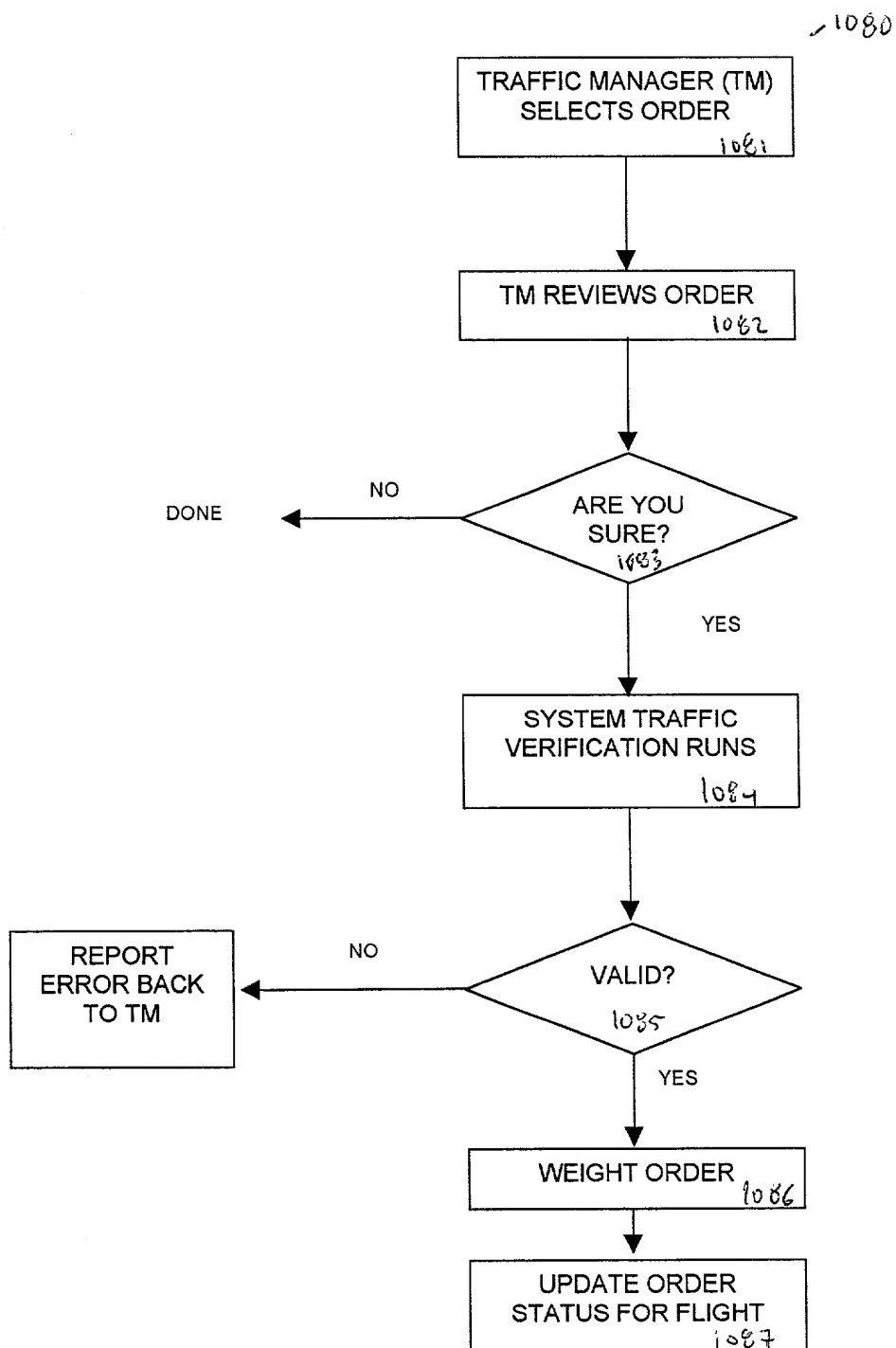


FIG. 10I

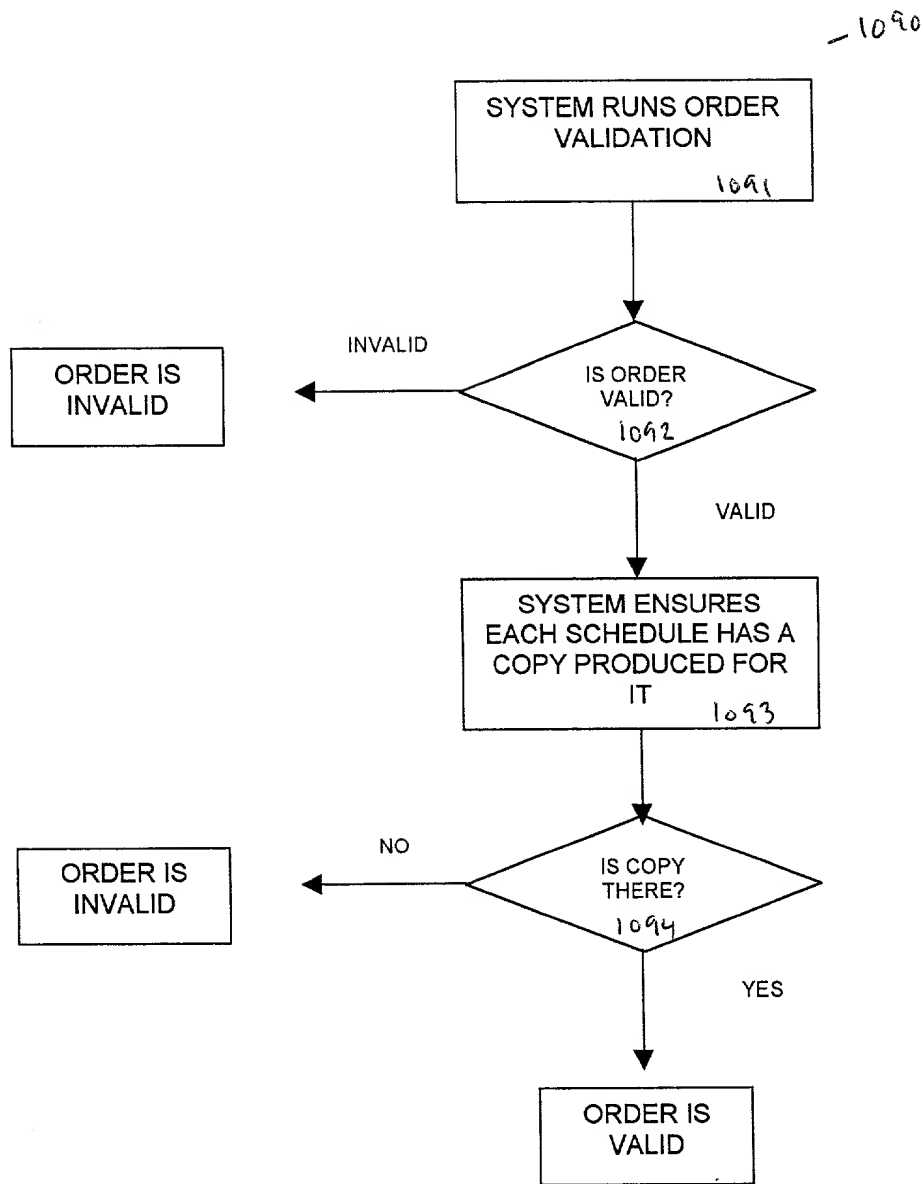


FIG. 10J

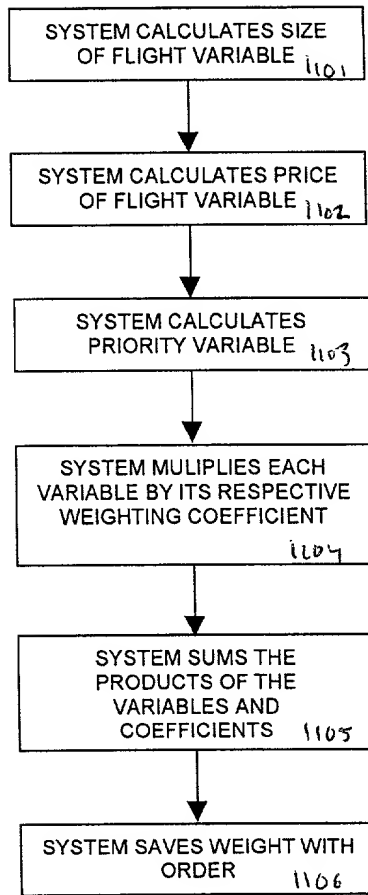


FIG. 10K

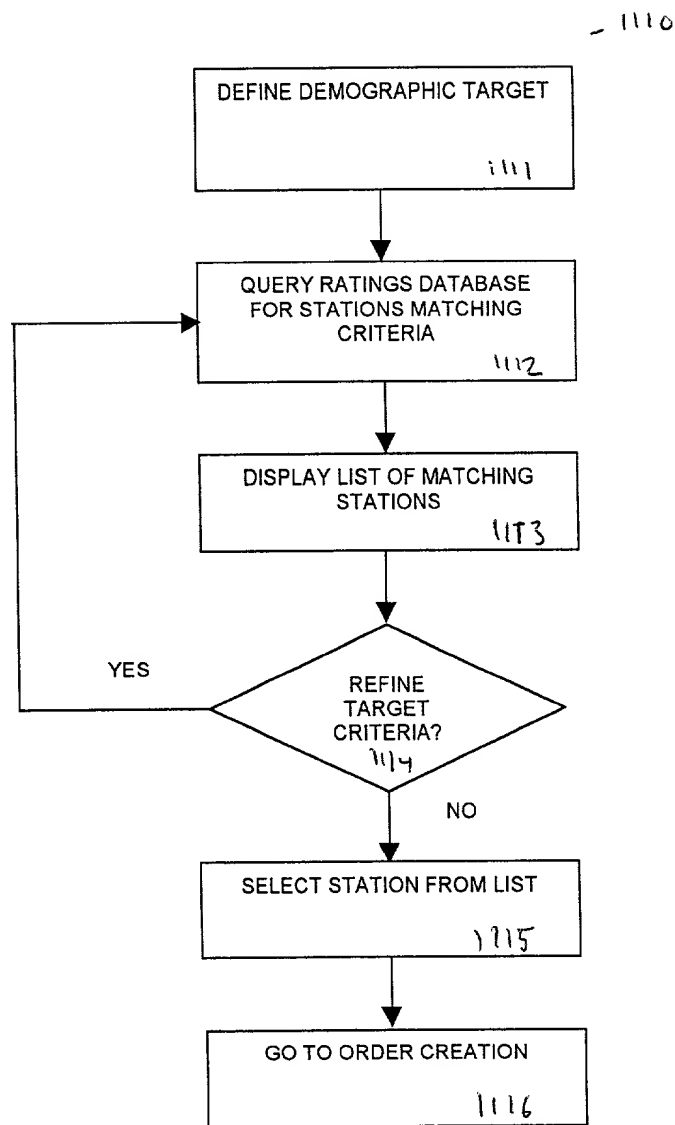


FIG. 10L

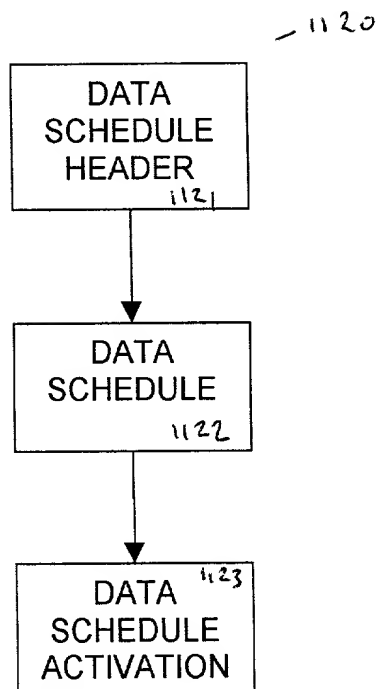


FIG. 11A

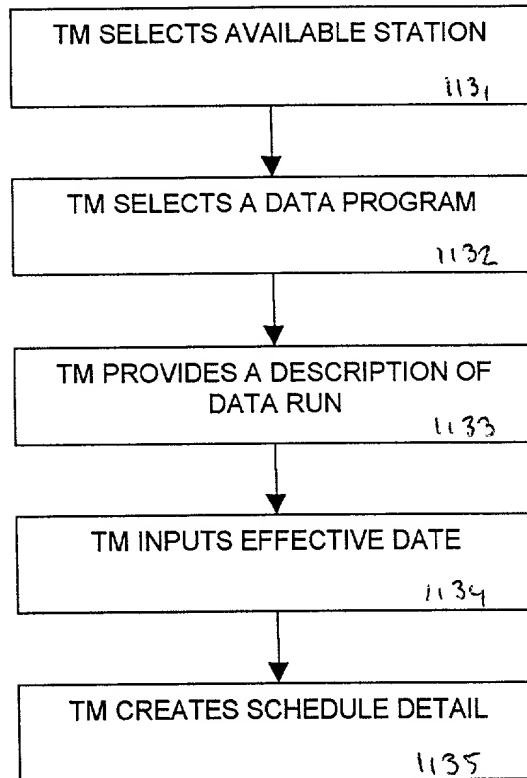


FIG. 11B

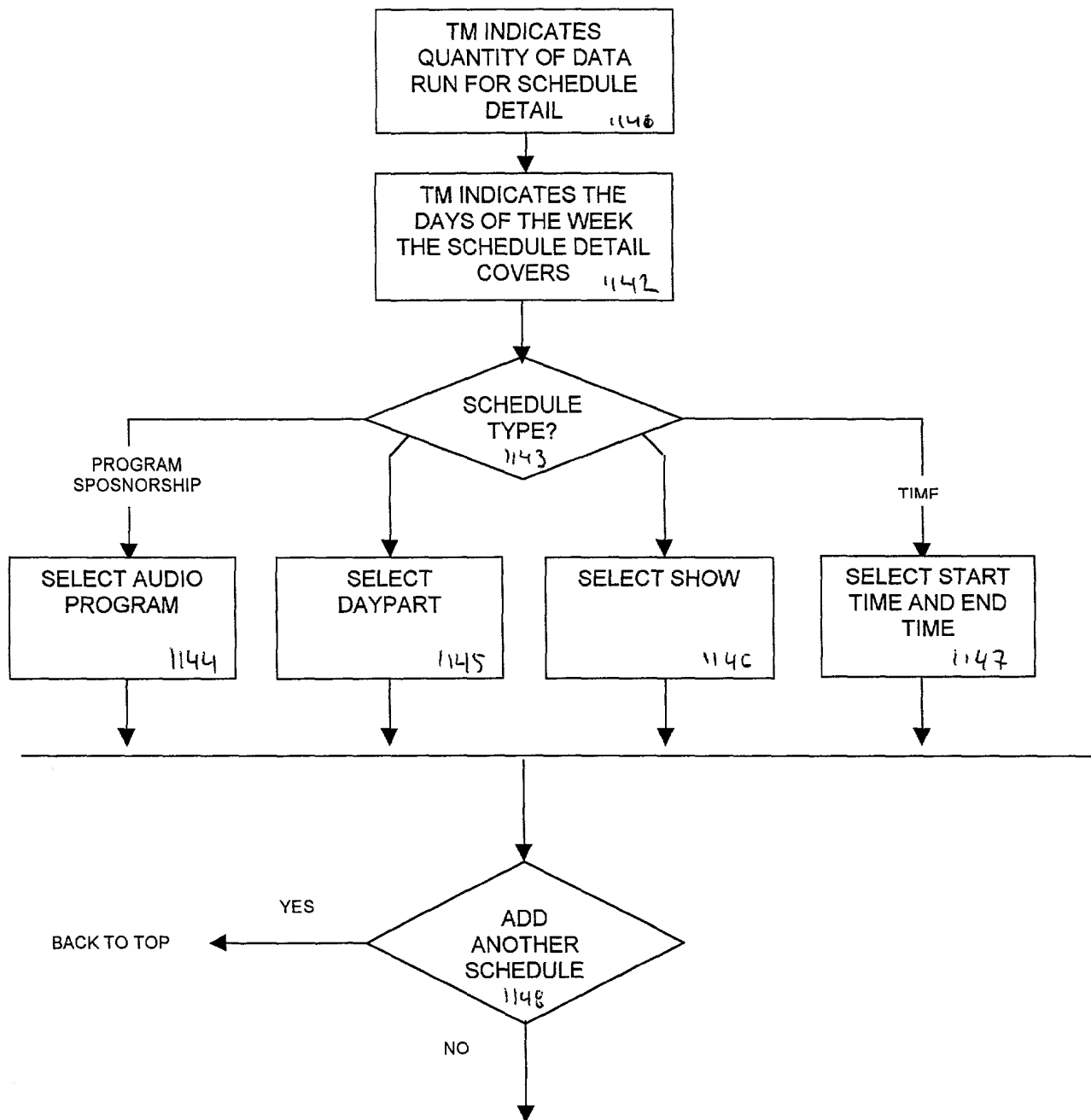


FIG. 11C

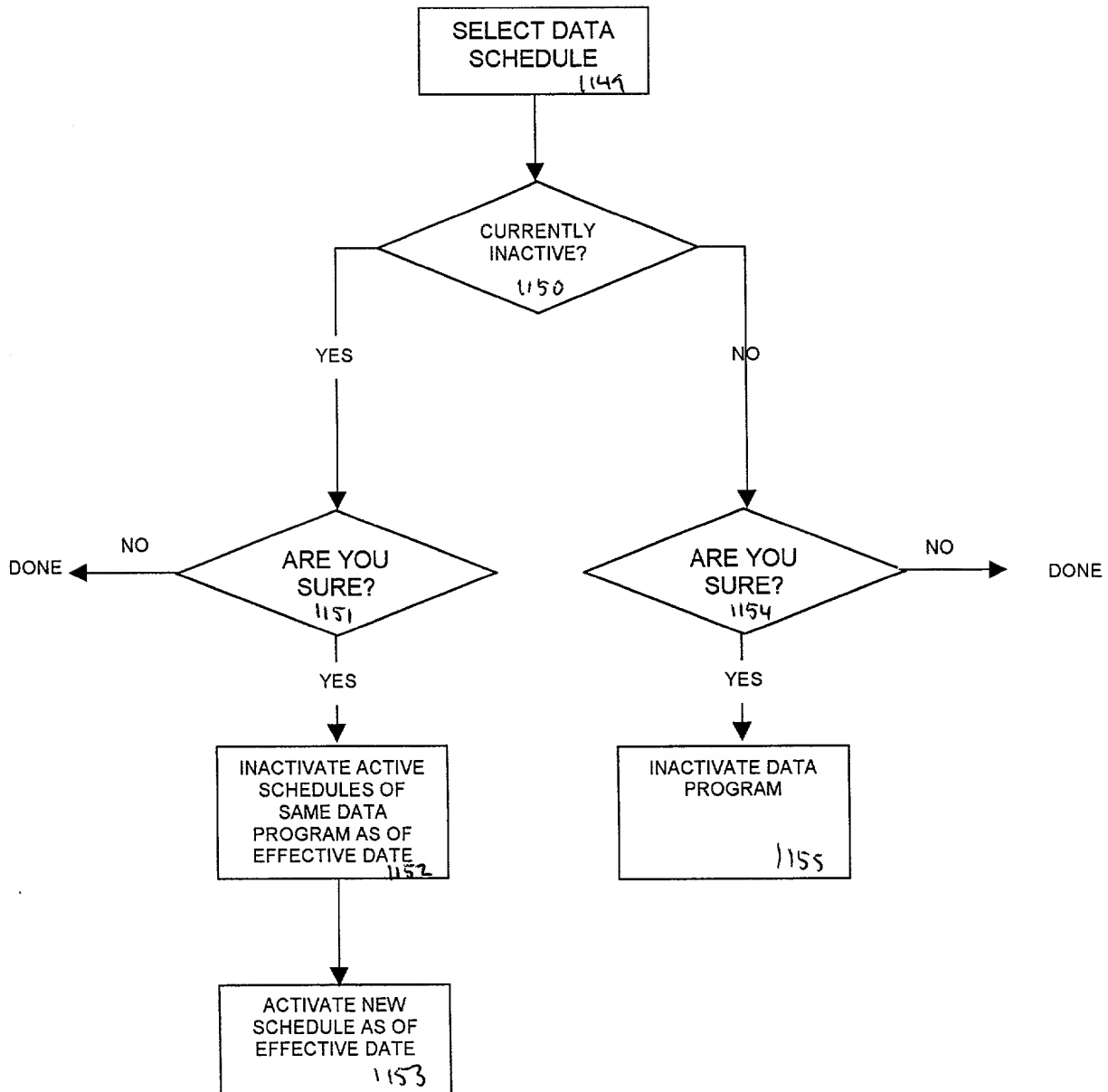


FIG. 11D

1160

1161		1162		1163		1164		1165		1166		1167		1168		1169		1170		1171	
AudioCopyPool Id	Order Detail ID	AudioCopyPool ID	StartMillis	AudioCopyPool EndMillis	StationCodeMap	StationOutID	AudioFrame Id	AudioCopyPool_weight	DC Set Id	AudioCopyPool_QtyDue	AudioCopyPool_MinSpacing	AudioCopyPool_CompFlags	AudioCopyPool_CompSpacing								
142784	144310	9.89993E+11	9.90058E+11	9.90144E+11	9.9023E+11	9.90317E+11	9.90403E+11	9.90489E+11	9.90562E+11	9.90749E+11	9.90835E+11	9.90922E+11	9.91008E+11	9.91094E+11	9.91181E+11	9.91267E+11	9.91353E+11	9.91439E+11	9.91525E+11	9.91611E+11	9.91697E+11
142783	144309	9.90079E+11	9.90166E+11	9.90252E+11	9.90338E+11	9.90425E+11	9.90511E+11	9.90598E+11	9.90684E+11	9.90771E+11	9.90857E+11	9.90943E+11	9.91029E+11	9.91115E+11	9.91201E+11	9.91287E+11	9.91373E+11	9.91459E+11	9.91545E+11	9.91631E+11	9.91717E+11
142782	144308	9.90166E+11	9.90252E+11	9.90338E+11	9.90425E+11	9.90511E+11	9.90598E+11	9.90684E+11	9.90771E+11	9.90857E+11	9.90943E+11	9.91029E+11	9.91115E+11	9.91201E+11	9.91287E+11	9.91373E+11	9.91459E+11	9.91545E+11	9.91631E+11	9.91717E+11	9.91803E+11
142781	144307	9.90252E+11	9.90338E+11	9.90425E+11	9.90511E+11	9.90598E+11	9.90684E+11	9.90771E+11	9.90857E+11	9.90943E+11	9.91029E+11	9.91115E+11	9.91201E+11	9.91287E+11	9.91373E+11	9.91459E+11	9.91545E+11	9.91631E+11	9.91717E+11	9.91803E+11	9.91889E+11
142780	144306	9.90338E+11	9.90425E+11	9.90511E+11	9.90598E+11	9.90684E+11	9.90771E+11	9.90857E+11	9.90943E+11	9.91029E+11	9.91115E+11	9.91201E+11	9.91287E+11	9.91373E+11	9.91459E+11	9.91545E+11	9.91631E+11	9.91717E+11	9.91803E+11	9.91889E+11	9.91975E+11
142779	144305	9.90425E+11	9.90511E+11	9.90598E+11	9.90684E+11	9.90771E+11	9.90857E+11	9.90943E+11	9.91029E+11	9.91115E+11	9.91201E+11	9.91287E+11	9.91373E+11	9.91459E+11	9.91545E+11	9.91631E+11	9.91717E+11	9.91803E+11	9.91889E+11	9.91975E+11	9.92061E+11
142778	144304	9.90511E+11	9.90598E+11	9.90684E+11	9.90771E+11	9.90857E+11	9.90943E+11	9.91029E+11	9.91115E+11	9.91201E+11	9.91287E+11	9.91373E+11	9.91459E+11	9.91545E+11	9.91631E+11	9.91717E+11	9.91803E+11	9.91889E+11	9.91975E+11	9.92061E+11	9.92147E+11
142777	144303	9.90598E+11	9.90684E+11	9.90771E+11	9.90857E+11	9.90943E+11	9.91029E+11	9.91115E+11	9.91201E+11	9.91287E+11	9.91373E+11	9.91459E+11	9.91545E+11	9.91631E+11	9.91717E+11	9.91803E+11	9.91889E+11	9.91975E+11	9.92061E+11	9.92147E+11	9.92233E+11
142776	144302	9.90684E+11	9.90771E+11	9.90857E+11	9.90943E+11	9.91029E+11	9.91115E+11	9.91201E+11	9.91287E+11	9.91373E+11	9.91459E+11	9.91545E+11	9.91631E+11	9.91717E+11	9.91803E+11	9.91889E+11	9.91975E+11	9.92061E+11	9.92147E+11	9.92233E+11	9.92319E+11
142775	144301	9.90771E+11	9.90857E+11	9.90943E+11	9.91029E+11	9.91115E+11	9.91201E+11	9.91287E+11	9.91373E+11	9.91459E+11	9.91545E+11	9.91631E+11	9.91717E+11	9.91803E+11	9.91889E+11	9.91975E+11	9.92061E+11	9.92147E+11	9.92233E+11	9.92319E+11	9.92405E+11
142774	144300	9.90857E+11	9.90943E+11	9.91029E+11	9.91115E+11	9.91201E+11	9.91287E+11	9.91373E+11	9.91459E+11	9.91545E+11	9.91631E+11	9.91717E+11	9.91803E+11	9.91889E+11	9.91975E+11	9.92061E+11	9.92147E+11	9.92233E+11	9.92319E+11	9.92405E+11	9.92491E+11
142773	144299	9.90943E+11	9.91029E+11	9.91115E+11	9.91201E+11	9.91287E+11	9.91373E+11	9.91459E+11	9.91545E+11	9.91631E+11	9.91717E+11	9.91803E+11	9.91889E+11	9.91975E+11	9.92061E+11	9.92147E+11	9.92233E+11	9.92319E+11	9.92405E+11	9.92491E+11	9.92577E+11
142772	144298	9.91029E+11	9.91115E+11	9.91201E+11	9.91287E+11	9.91373E+11	9.91459E+11	9.91545E+11	9.91631E+11	9.91717E+11	9.91803E+11	9.91889E+11	9.91975E+11	9.92061E+11	9.92147E+11	9.92233E+11	9.92319E+11	9.92405E+11	9.92491E+11	9.92577E+11	9.92663E+11
142771	144297	9.91115E+11	9.91201E+11	9.91287E+11	9.91373E+11	9.91459E+11	9.91545E+11	9.91631E+11	9.91717E+11	9.91803E+11	9.91889E+11	9.91975E+11	9.92061E+11	9.92147E+11	9.92233E+11	9.92319E+11	9.92405E+11	9.92491E+11	9.92577E+11	9.92663E+11	9.92749E+11

FIG 11E

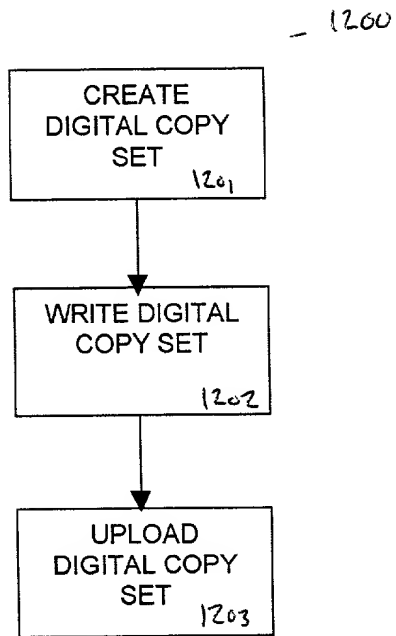


FIG. 12A

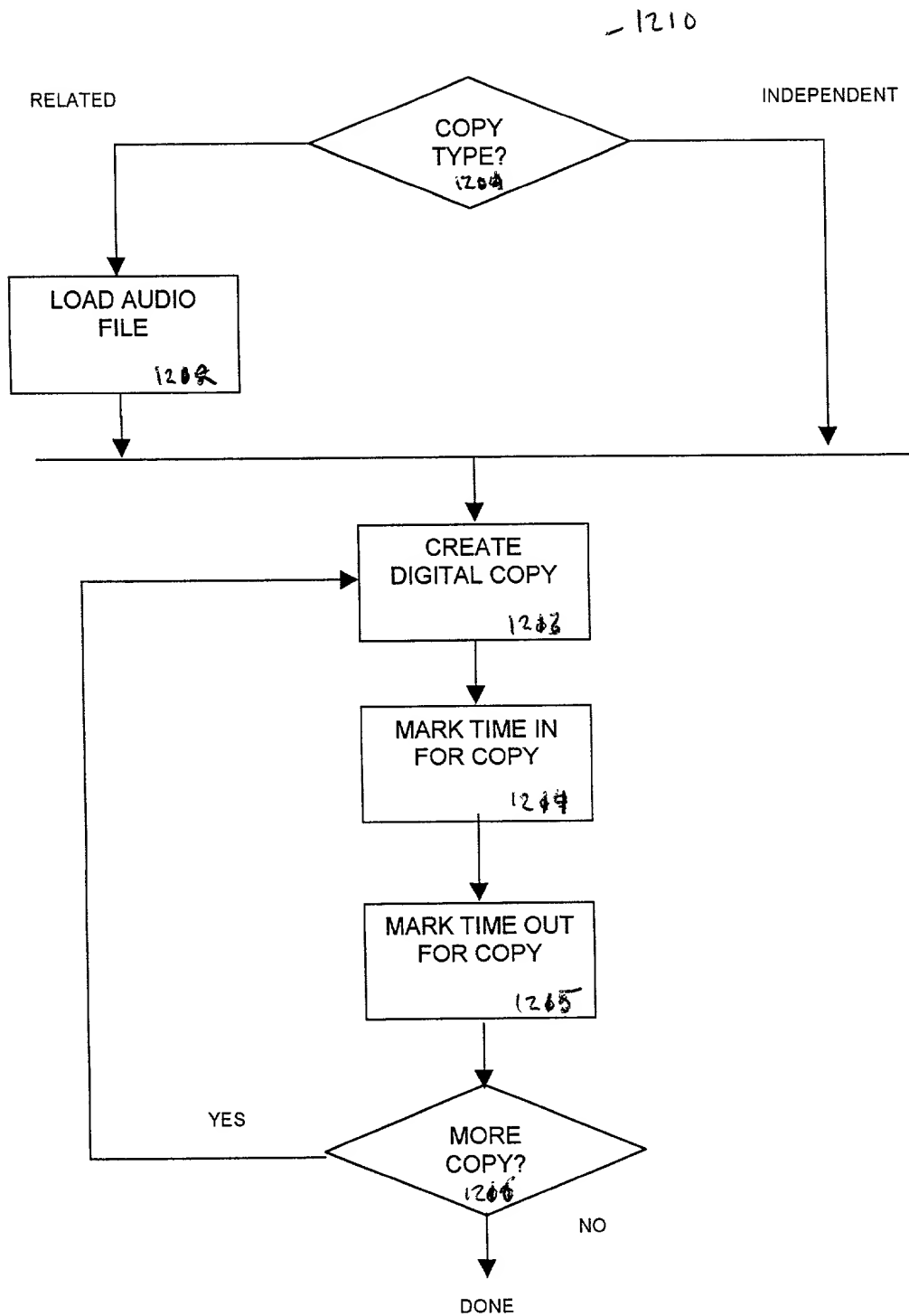


FIG. 12B

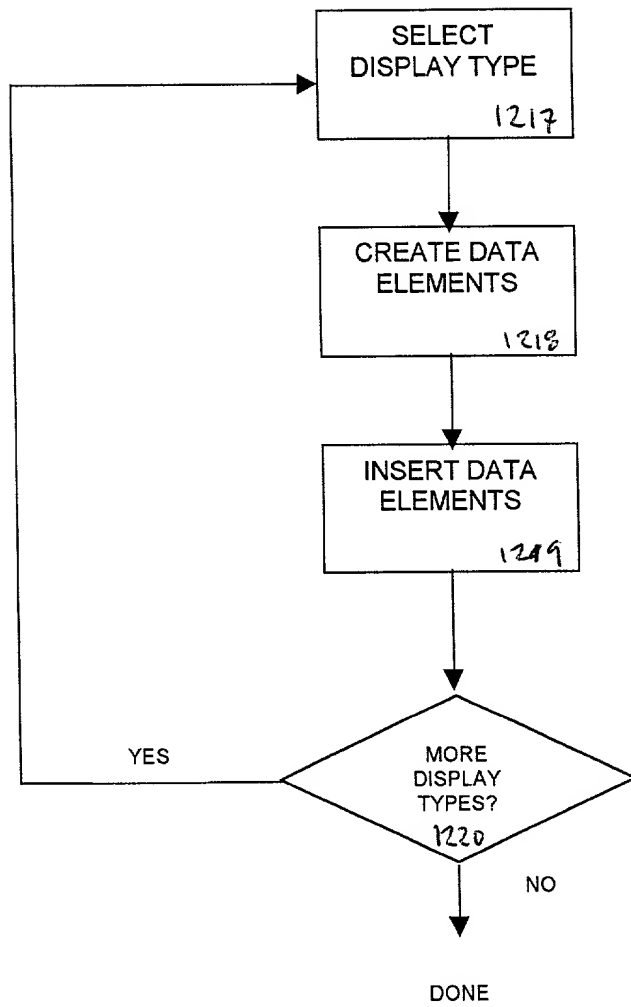


FIG. 12C

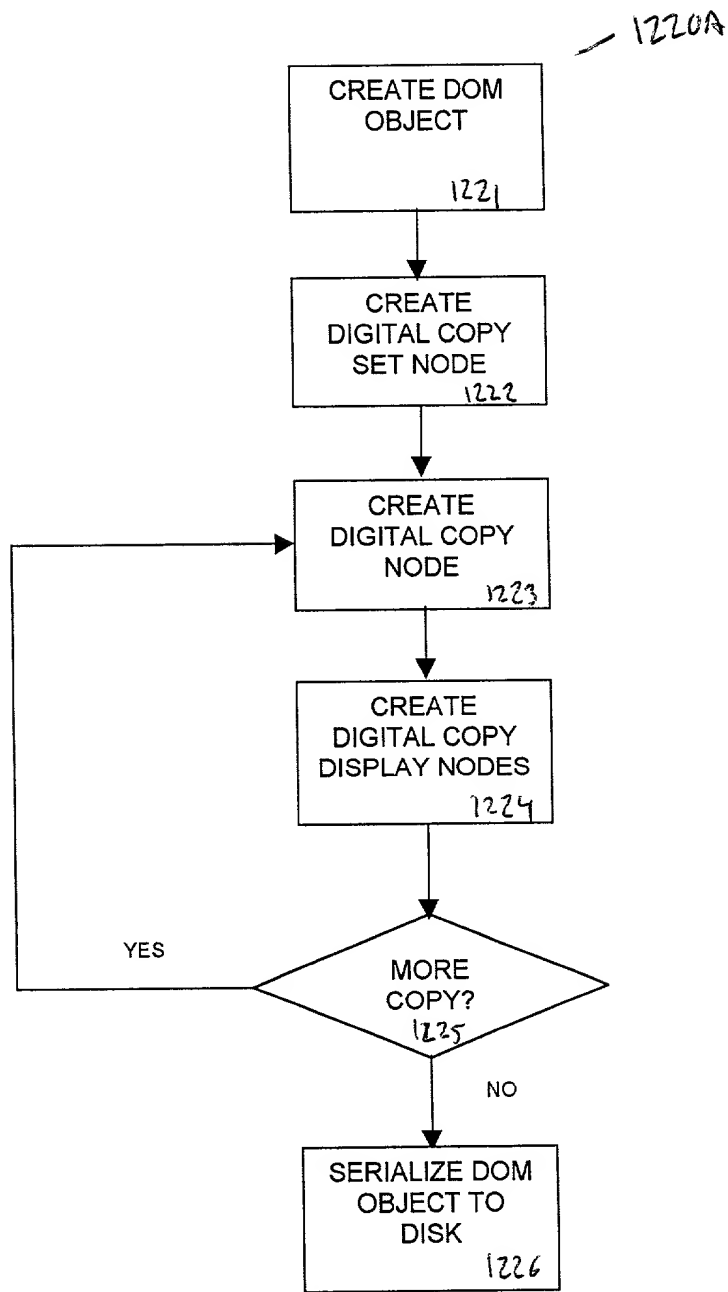


FIG. 12D

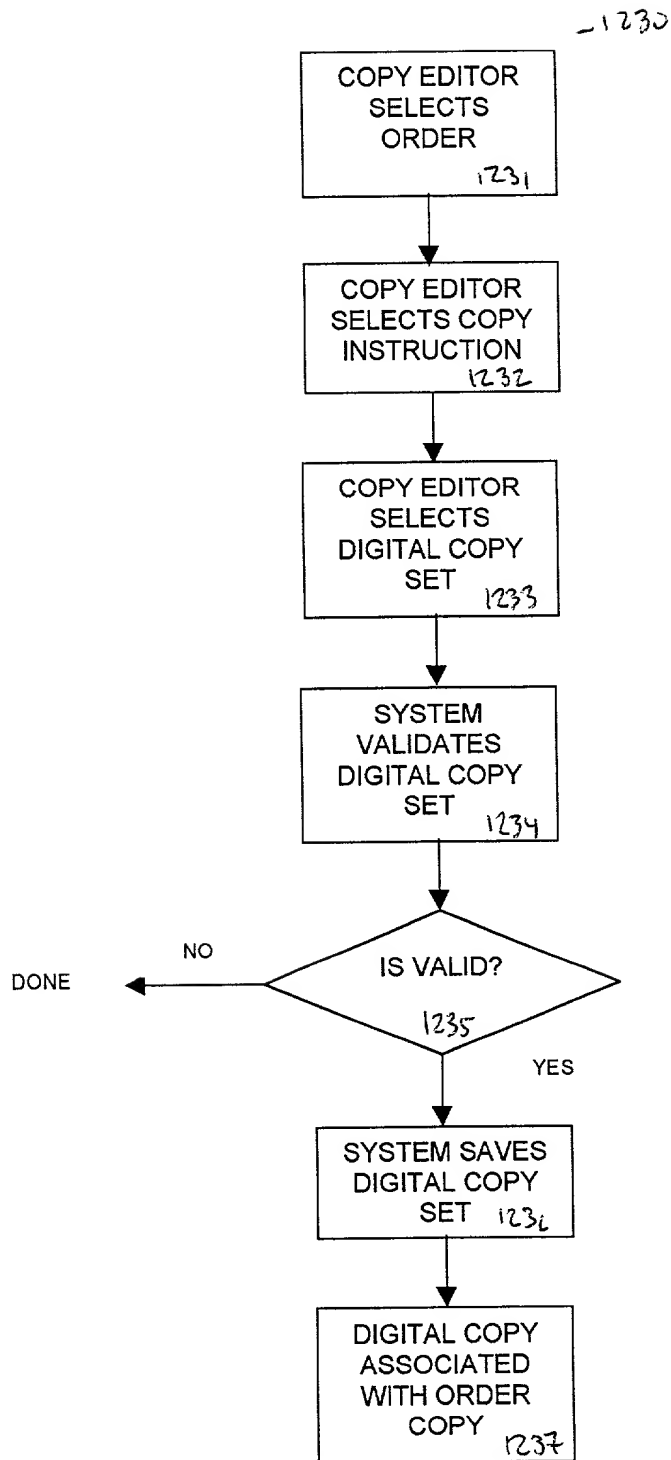


FIG. 12E

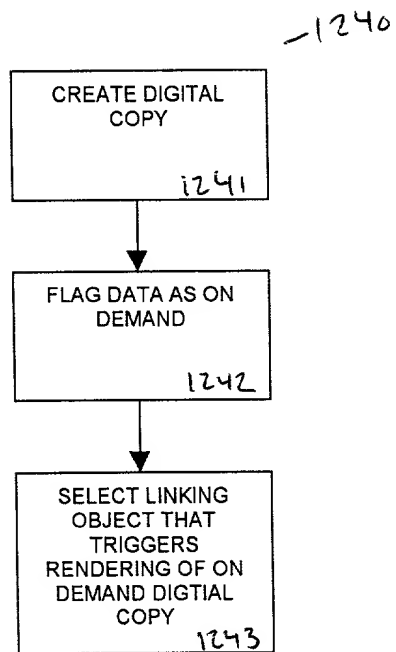


FIG. 12F

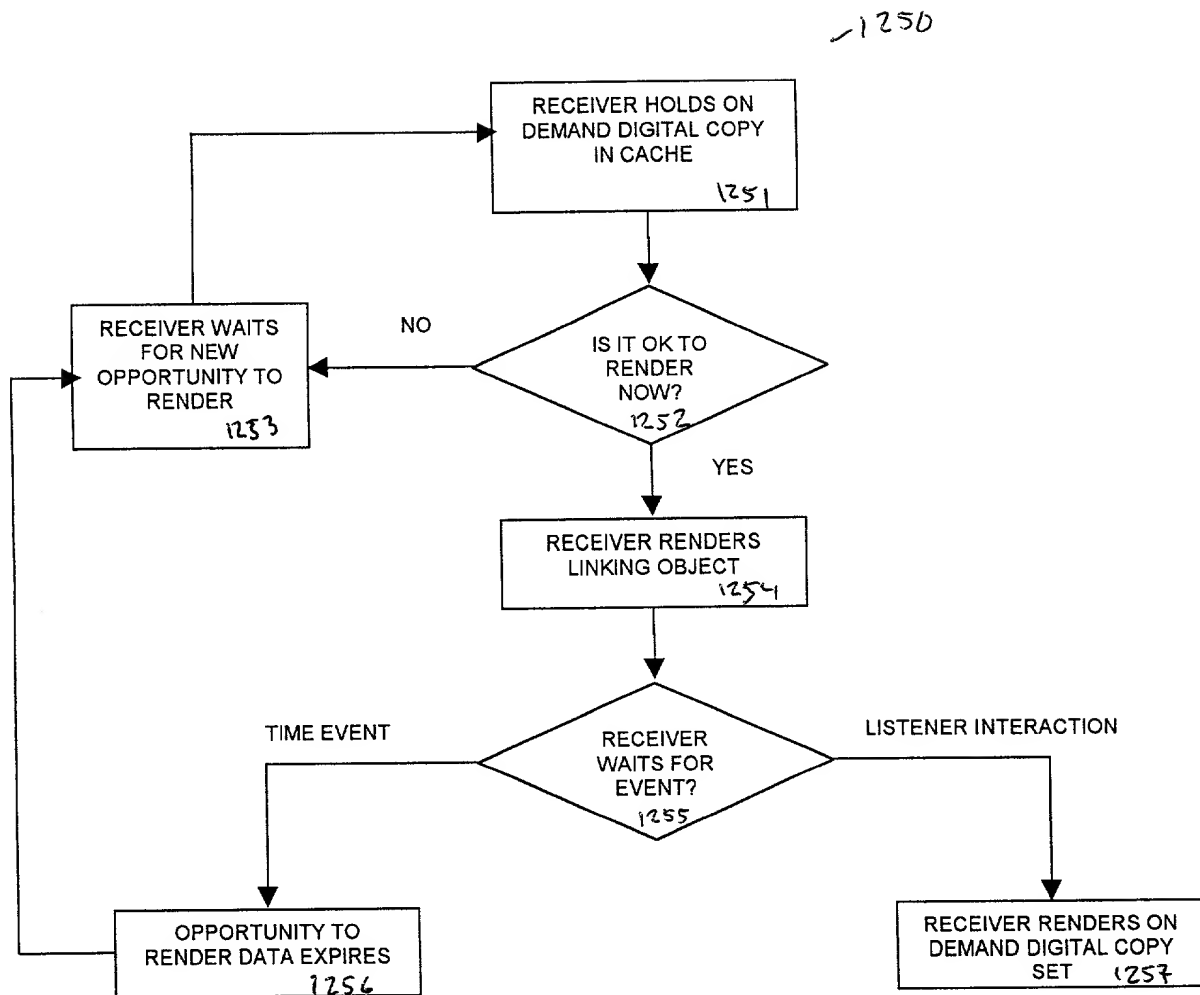


FIG. 12G

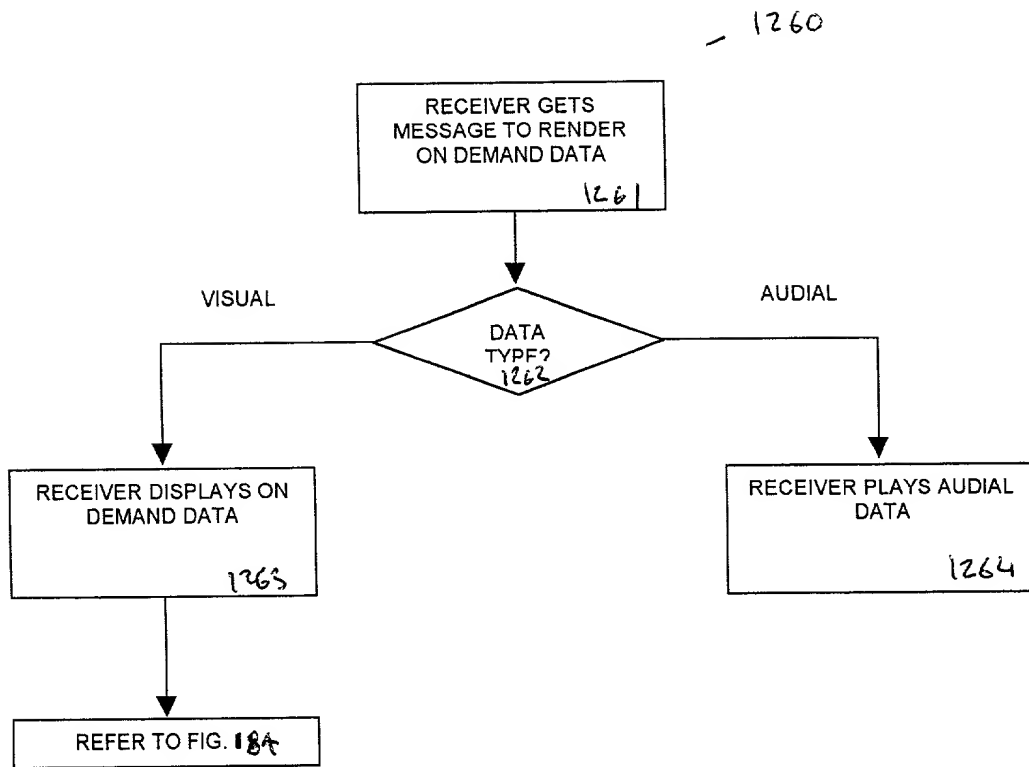


FIG. 12H

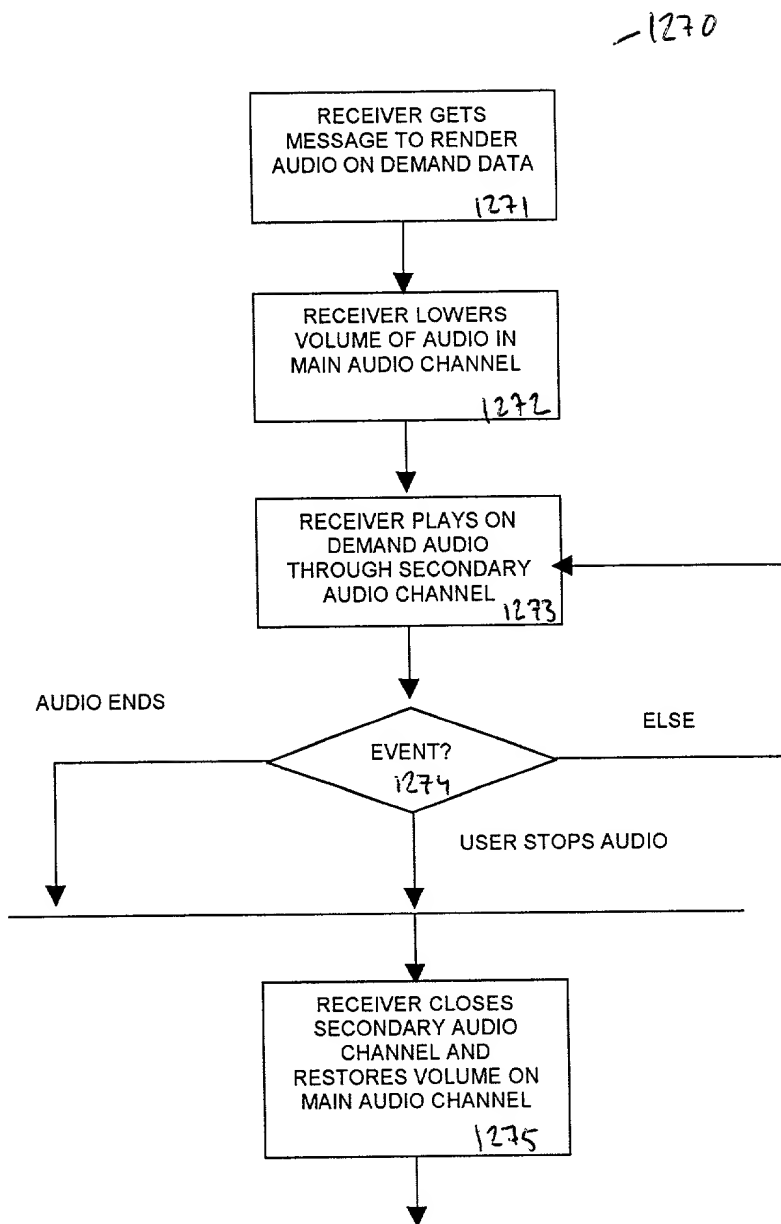


FIG. 12I

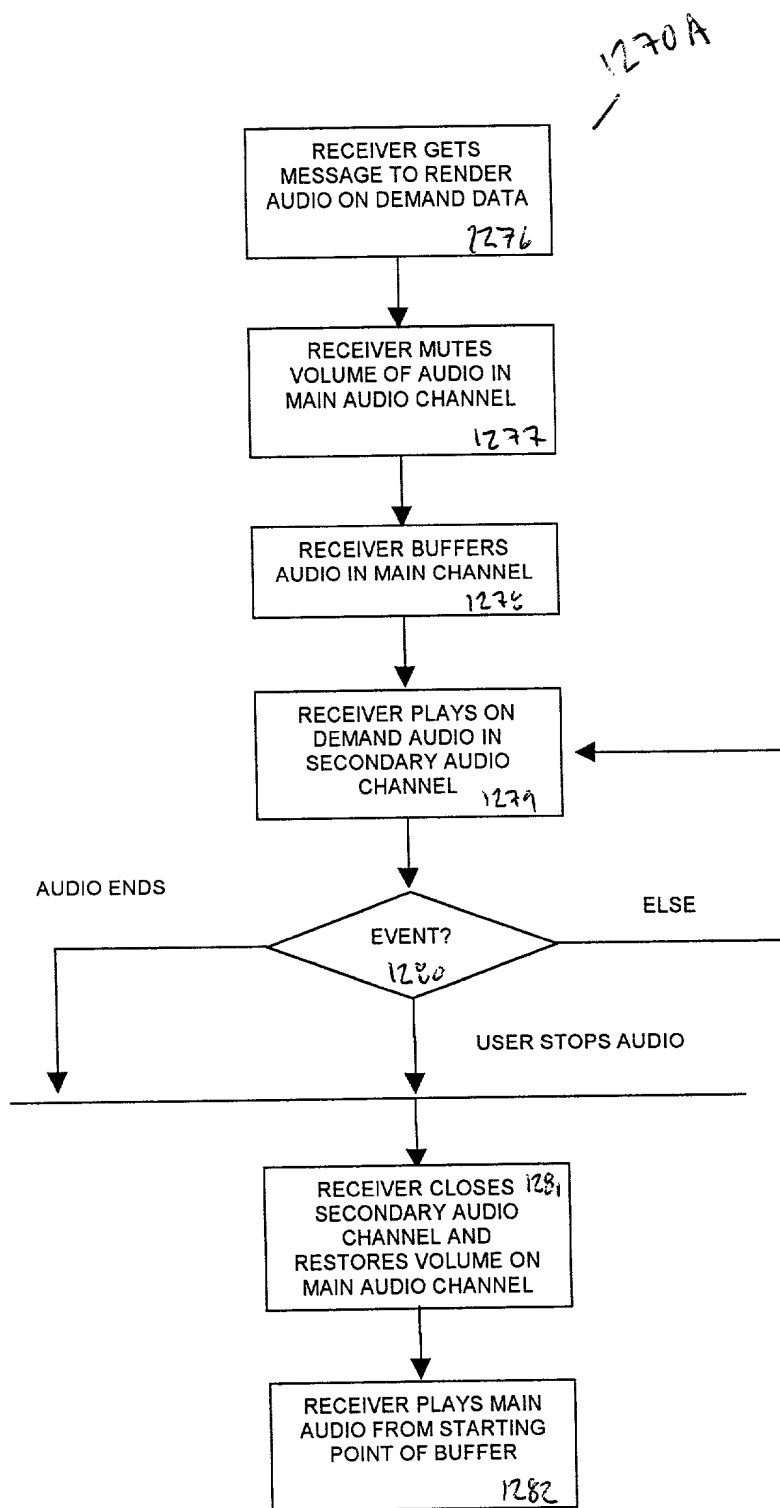


FIG. 12J

1290

```
<!ELEMENT DigitalCopySet ( id | name | ttl | cut | DigitalCopy+ )*>
<!ATTLIST DigitalCopySet frame NMTOKEN #IMPLIED>
<!ELEMENT id ( #PCDATA )>
<!ELEMENT name ( #PCDATA )>
<!ELEMENT ttl ( #PCDATA )>
<!ELEMENT cut ( #PCDATA )>

<!ENTITY % DigitalCopy.dtd SYSTEM "getResource://DigitalCopy.dtd">
%DigitalCopy.dtd;
```

FIG. 12K

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FIG. 12K

```
<!ELEMENT DigitalCopy ( DisplayData | minTimeLength | optimalTimeLength )* >  
<!ATTLIST DigitalCopy name CDATA #REQUIRED >  
<!ATTLIST DigitalCopy id NMTOKEN #IMPLIED>
```

```
<!ELEMENT DisplayData ( #PCDATA ) >  
<!ATTLIST DisplayData type CDATA #REQUIRED >
```

```
<!ELEMENT minTimeLength ( #PCDATA ) >  
<!ELEMENT optimalTimeLength ( #PCDATA ) >
```

```

<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE DigitalCopySet PUBLIC "-//Impulse Radio, Inc.//DTD
DigitalCopySet//EN"
    "getResource://DigitalCopySet.dtd">
<DigitalCopySet frame="right">
  <name>Big_Als</name>
  <ttl>98765320000</ttl>
  <DigitalCopy id="0" name="Big Al&apos;s - open">
    <DisplayData type="text/html">&lt;body leftmargin=&quot;0&quot;
      topmargin=&quot;0&quot;&gt; &lt;table&gt; &lt;tr&gt;
        &lt;td&gt; &lt;img
          src=&quot;http://www.impulseradio.com/images/big_als.gif&quot;&gt;
        &lt;/td&gt; &lt;/tr&gt; &lt;/table&gt; &lt;/body&gt;</DisplayData>
    <optimalTimeLength>5000</optimalTimeLength>
  </DigitalCopy>
  <DigitalCopy id="0" name="Big Al&apos;s - copy1">
    <DisplayData type="text/html">&lt;body leftmargin=&quot;0&quot;
      topmargin=&quot;0&quot;&gt; &lt;table&gt; &lt;tr&gt;
        &lt;td&gt; &lt;img
          src=&quot;http://www.impulseradio.com/images/big_als_bg.gif&quot;&gt;
        &lt;/td&gt; &lt;/tr&gt; &lt;/table&gt; &lt;/body&gt;</DisplayData>
    <optimalTimeLength>15000</optimalTimeLength>
  </DigitalCopy>
  <DigitalCopy id="0" name="Big Al&apos;s - close">
    <DisplayData type="text/html">&lt;body leftmargin=&quot;0&quot;
      topmargin=&quot;0&quot;&gt; &lt;table&gt; &lt;tr&gt;
        &lt;td&gt; &lt;img
          src=&quot;http://www.impulseradio.com/images/big_als.gif&quot;&gt;
        &lt;/td&gt; &lt;/tr&gt; &lt;/table&gt; &lt;/body&gt;</DisplayData>
    <optimalTimeLength>10000</optimalTimeLength>
  </DigitalCopy>
</DigitalCopySet>

```

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FIG. 12M

1293d

[illegible]

129410

[illegible]

FIG. 120

100240 "Shoe" 1295

1295

1295

1295

1295

1295

DIGITAL COPY ID	DIGITAL COPY ID TAG	DIGITAL COPY MIN LENGTH	DIGITAL COPY OPT LENGTH	DIGITAL COPY ACTION CODE
100754	Gray - fact2	0	1000	
100755	Gray - fact3	0	1000	
100756	Knopfler - open	0	1500	
100757	Knopfler - fact1	0	1000	
100758	Knopfler - fact2	0	1000	
100759	Knopfler - fact3	0	1000	
100760	Santana - open	0	1500	
100761	Santana - fact1	0	1000	
100762	Santana - fact2	0	1000	
100763	Santana - fact3	0	1000	
100764	Shania - open	0	1500	
100765	Shania - fact1	0	1000	
100766	Shania - fact2	0	1000	
100767	Shania - fact3	0	1000	
100768	Hertz - opening	0	2500	
100769	Hertz - special1	0	1000	
100770	Hertz - special2	0	1000	
100771	Hertz - special3	0	1000	
100772	Hertz - special4	0	1500	
100773	Hertz - closing1	0	1000	
100774	Hertz - closing2	0	6000	
100775	Hertz - closing3	0	5000	
100776	Bud - open	0	7500	
100777	Bud - copy1	0	7500	
100778	Bud - copy2	0	7500	
100779	Bud - copy3	0	2500	
100780	Bud - close	0	5000	
100781	Nextel - open	0	3000	
100782	Nextel - body1	0	3000	
100783	Nextel - body2	0	3000	
100784	Nextel - body3	0	1000	
100785	Nextel - close	0		

FIG. 128

1296

1296A

1296B

1296C

1296D

DC SET DETAILS ID	DC SET ID	DC SET DETAILS SEQ	DIGITAL COPY ID
985	100257	3	100754
986	100257	4	100755
987	100258	1	100756
988	100258	2	100757
989	100258	3	100758
990	100258	4	100759
991	100259	1	100760
992	100259	2	100761
993	100259	3	100762
994	100259	4	100763
995	100260	1	100764
996	100260	2	100765
997	100260	3	100766
998	100260	4	100767
999	100261	1	100768
1000	100261	2	100769
1001	100261	3	100770
1002	100261	4	100771
1003	100261	5	100772

FIG. 12Q

129B

129A

129B

129C

129D

DC	DISPLAY ID	DIGITAL COPY ID	DISPLAY TYPE	CDATA
	10001	754	text/html	<html> </html>
	10002	755	text/html	<html> </html>
	10003	756	text/html	<html> </html>

FIG. 12R

FIG. 12R

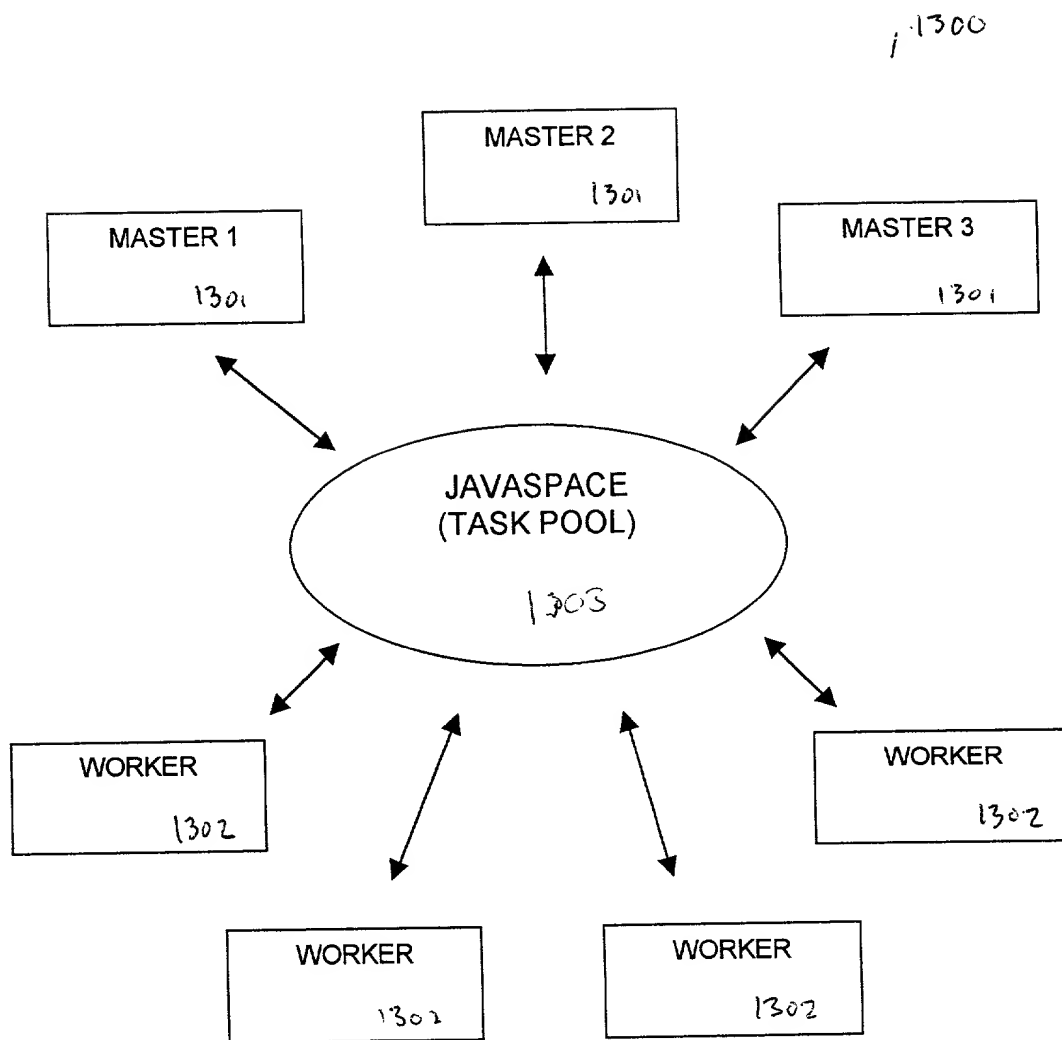


FIG. 13A

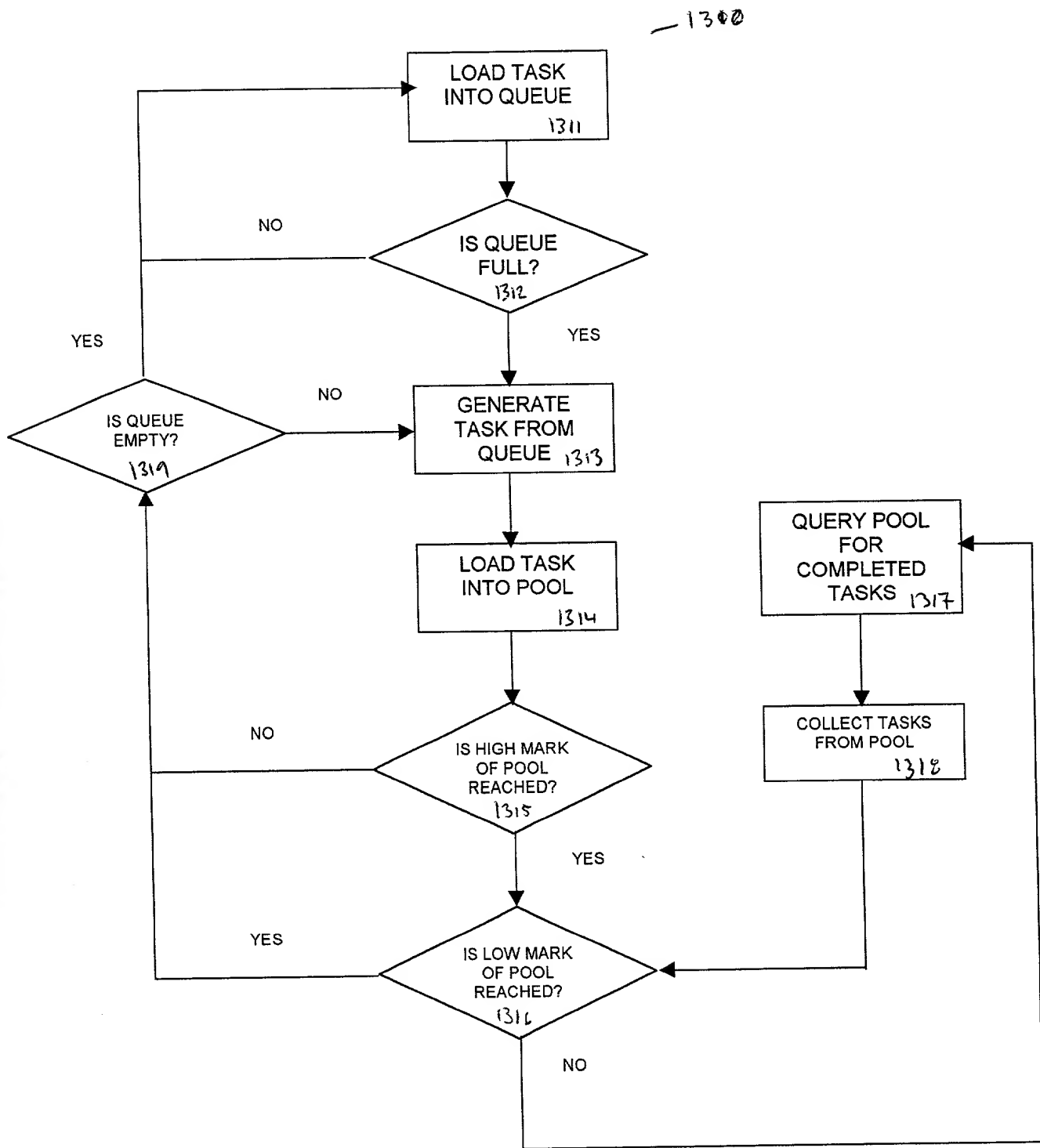


FIG. 13B

1320

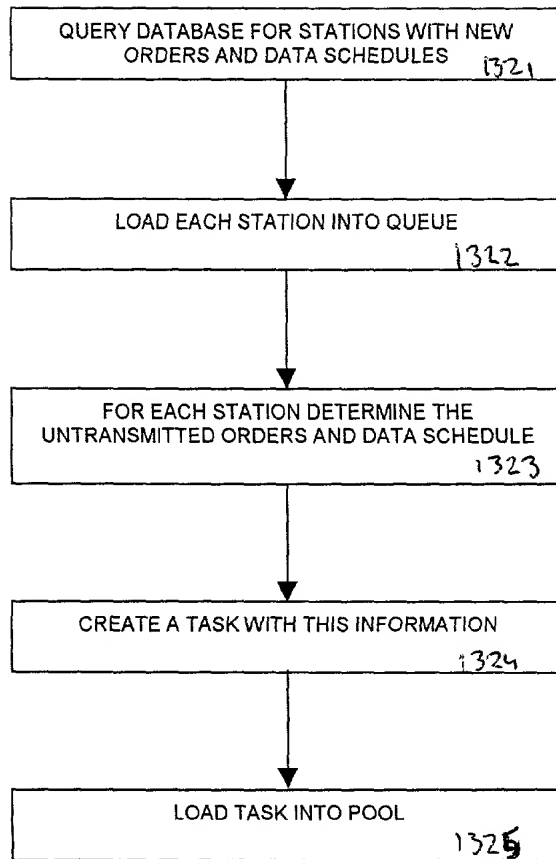


FIG. 13C

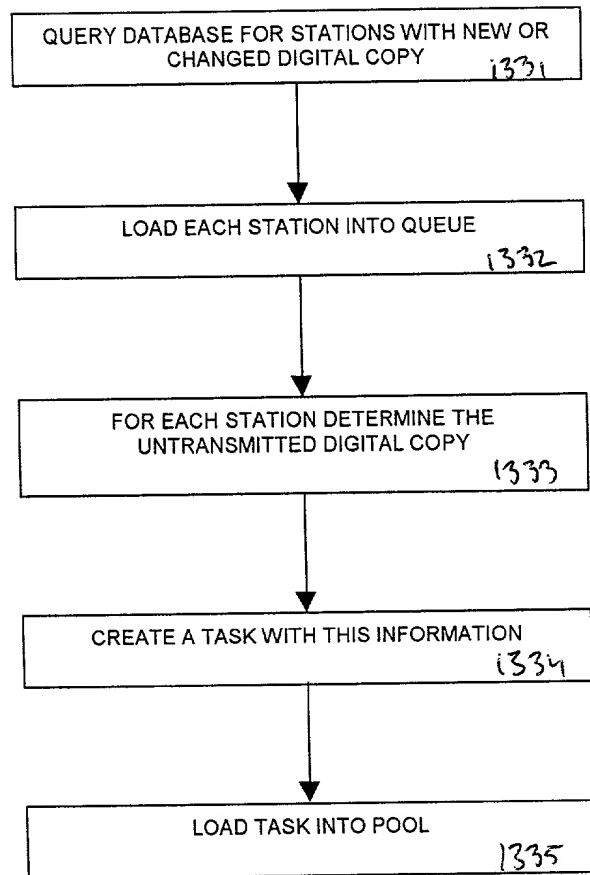


FIG. 13D

FIG. 13E

, 1340

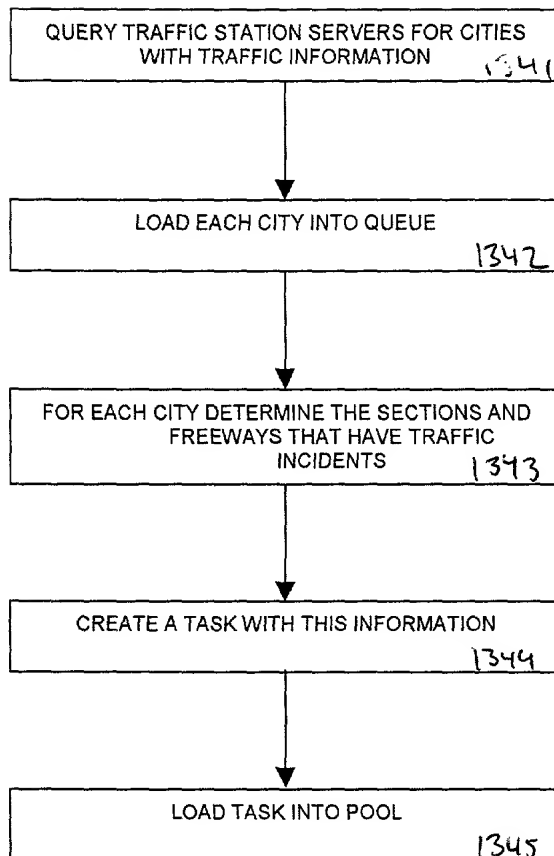


FIG. 13E

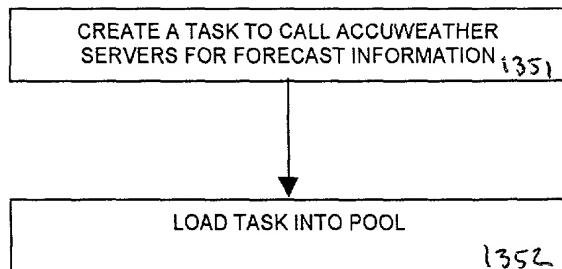


FIG. 13F

, 1360

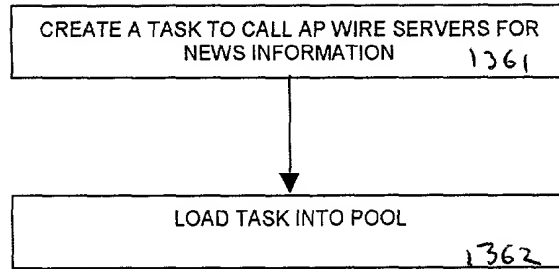


FIG. 13G

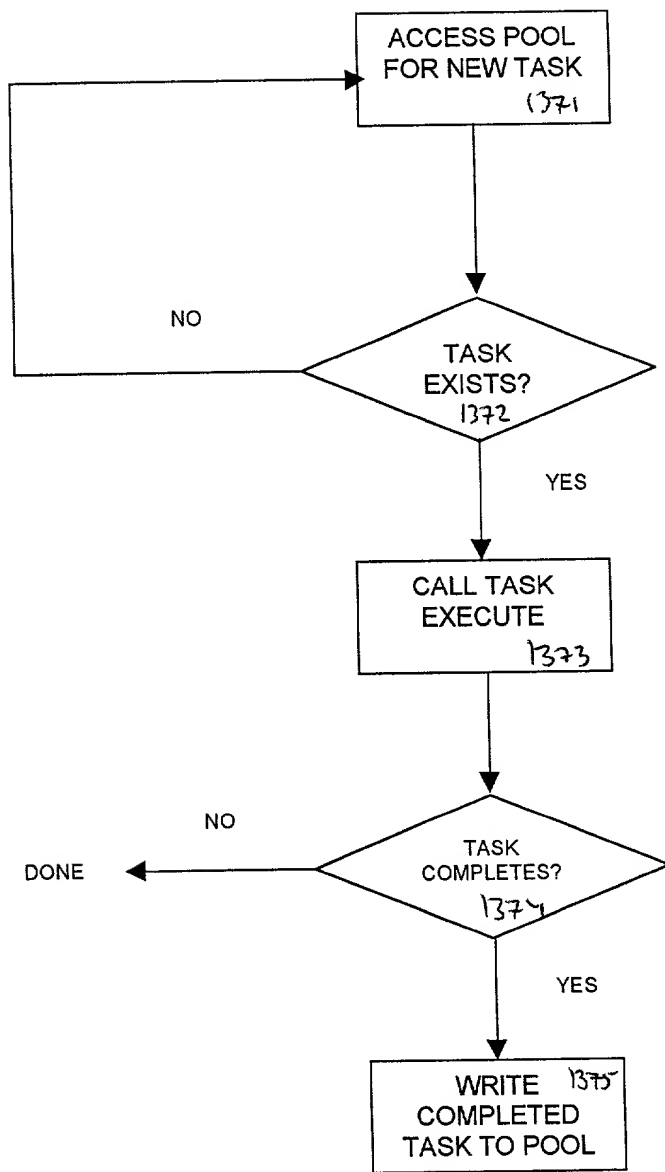


FIG. 13H

FIG. 13I

1380

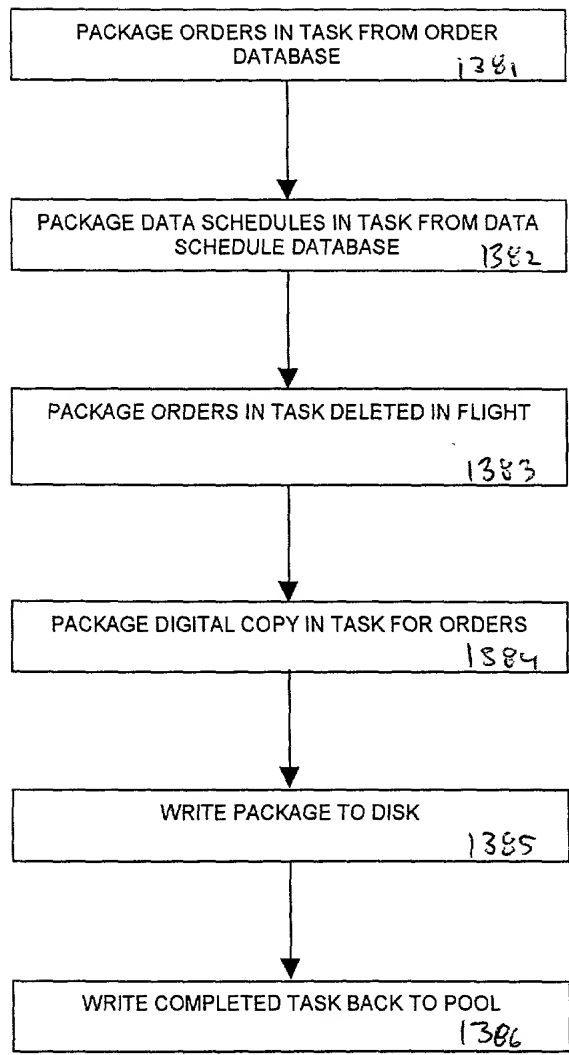


FIG. 13I

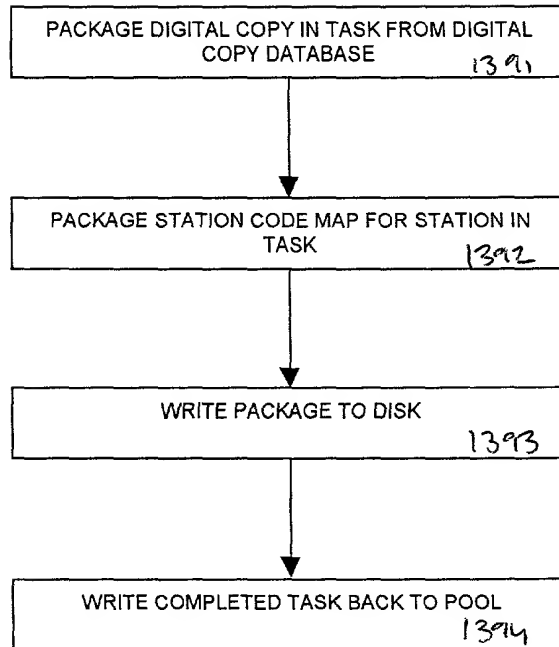


FIG. 13J

1400

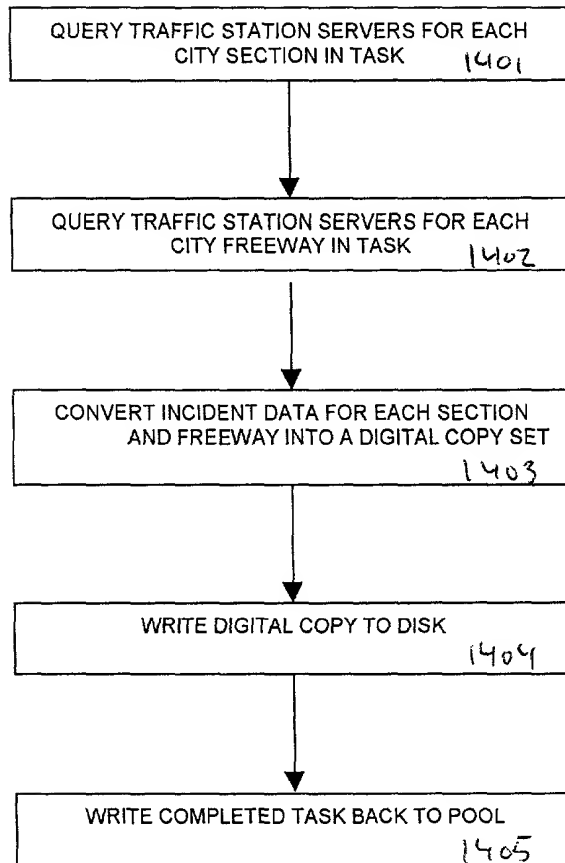


FIG. 13K

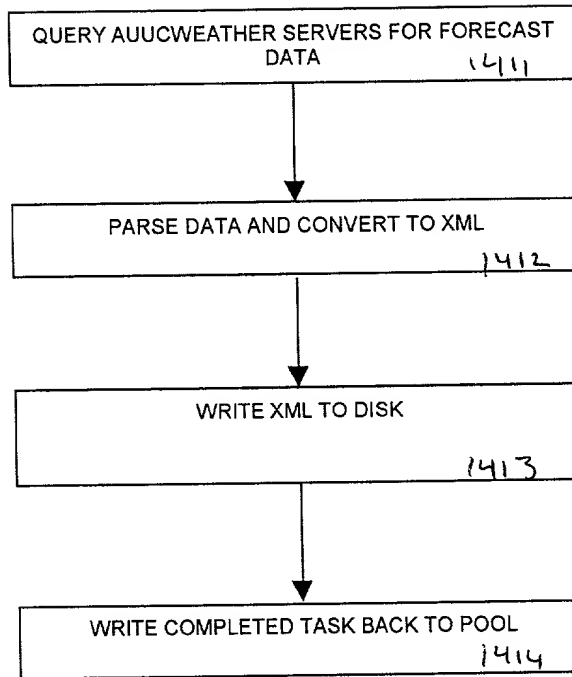


FIG. 13L

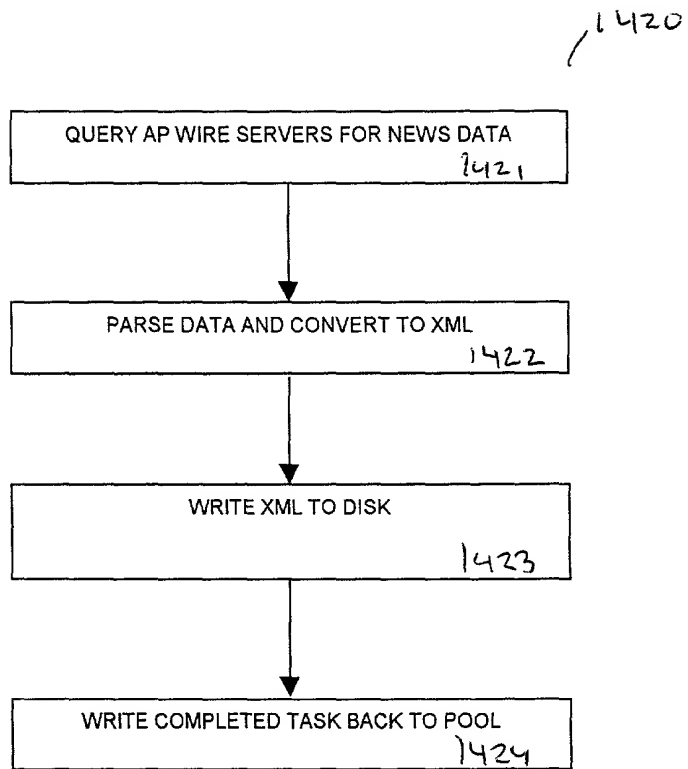


FIG. 13M

11425

```
<!ELEMENT DataPackage ( SchemaDef | data ) >
<!ATTLIST DataPackage index NMTOKEN #IMPLIED>

<!ELEMENT SchemaDef ( table | layout ) #REQUIRED >

<!ELEMENT table ( #PCDATA ) #REQUIRED >
<!ELEMENT layout ( #PCDATA ) #REQUIRED >

<!ELEMENT data ( #PCDATA ) #REQUIRED >
<!ATTLIST data bytesize NMTOKEN #IMPLIED>
```

FIG. 13N

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FIG. 13N

1430

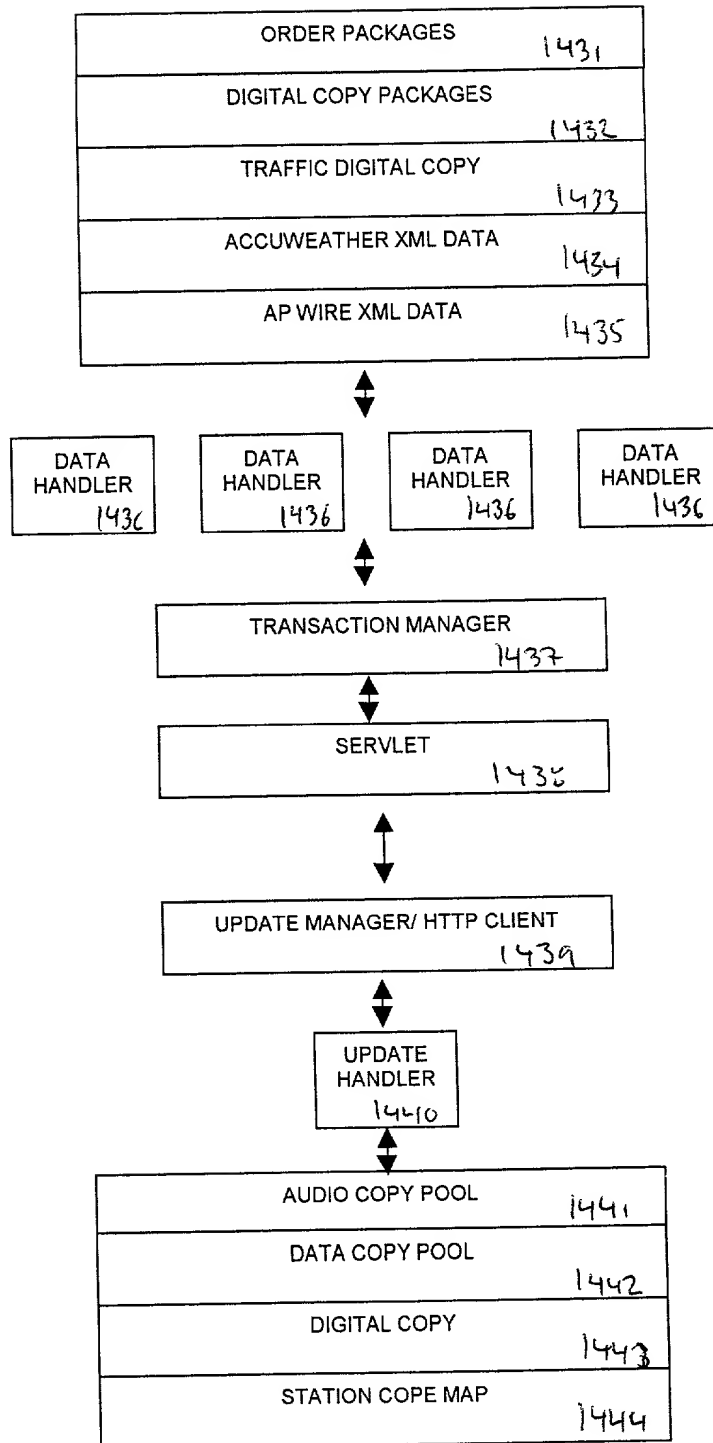


FIG. 14A

1450

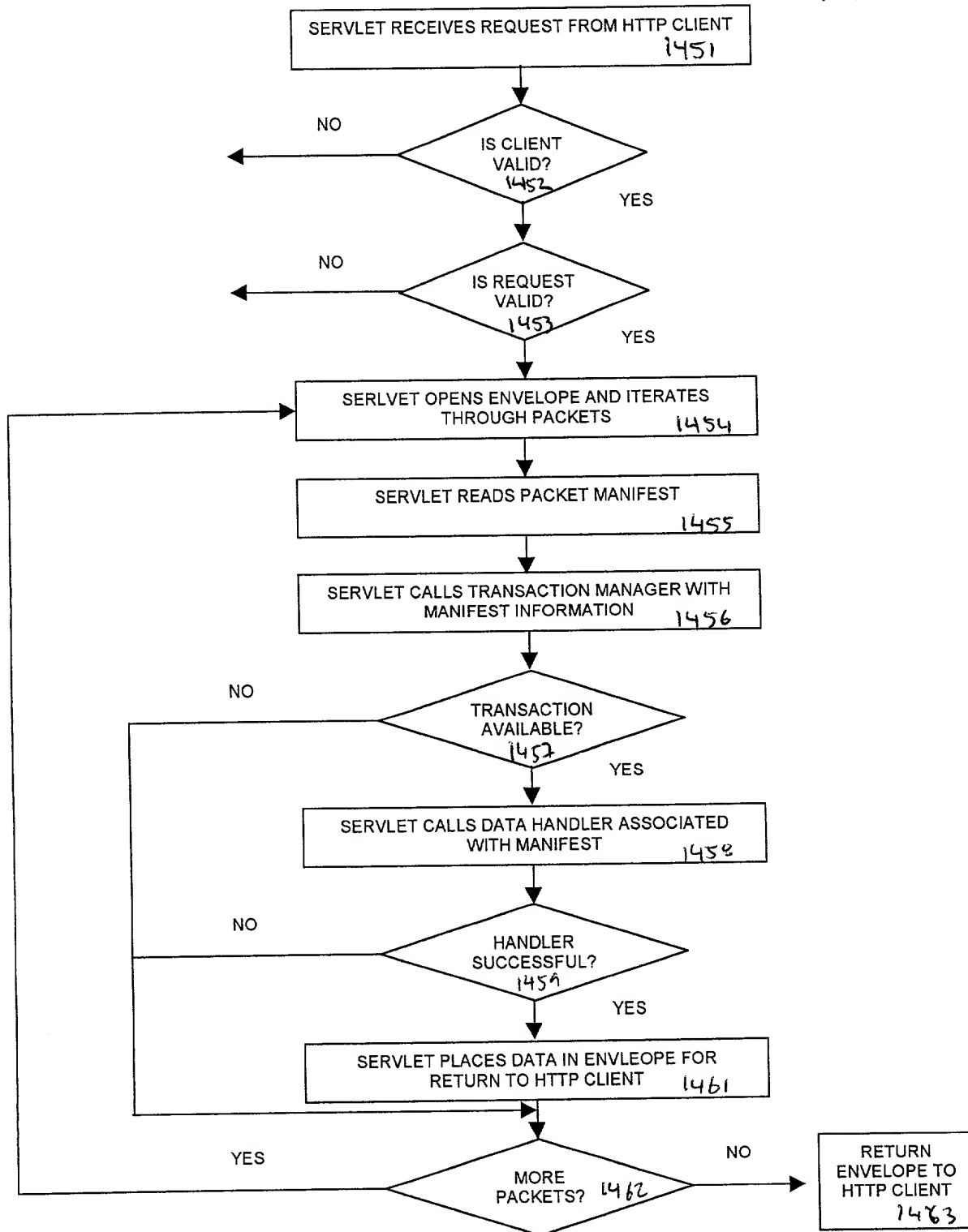


FIG. 14B

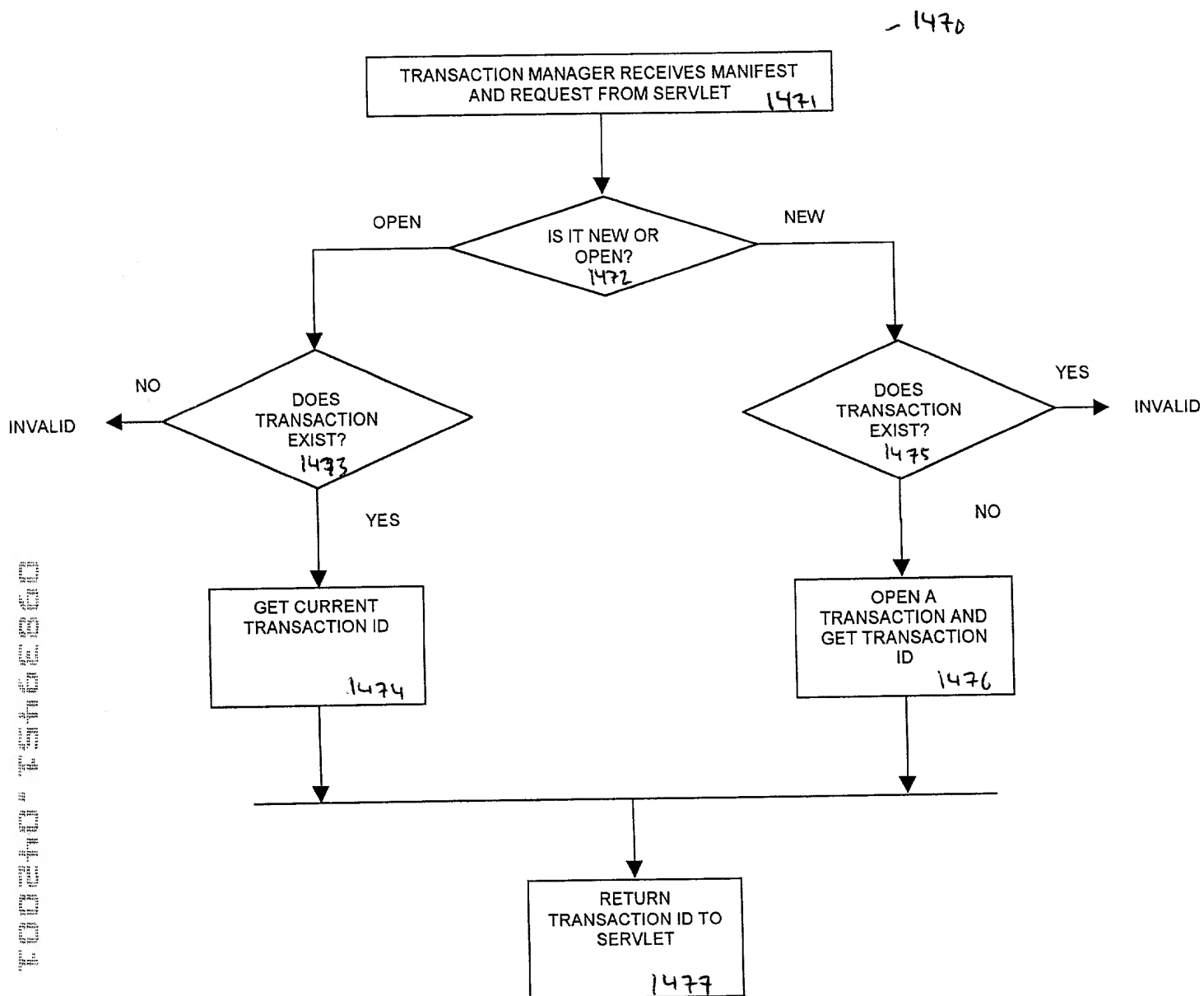


FIG. 14C

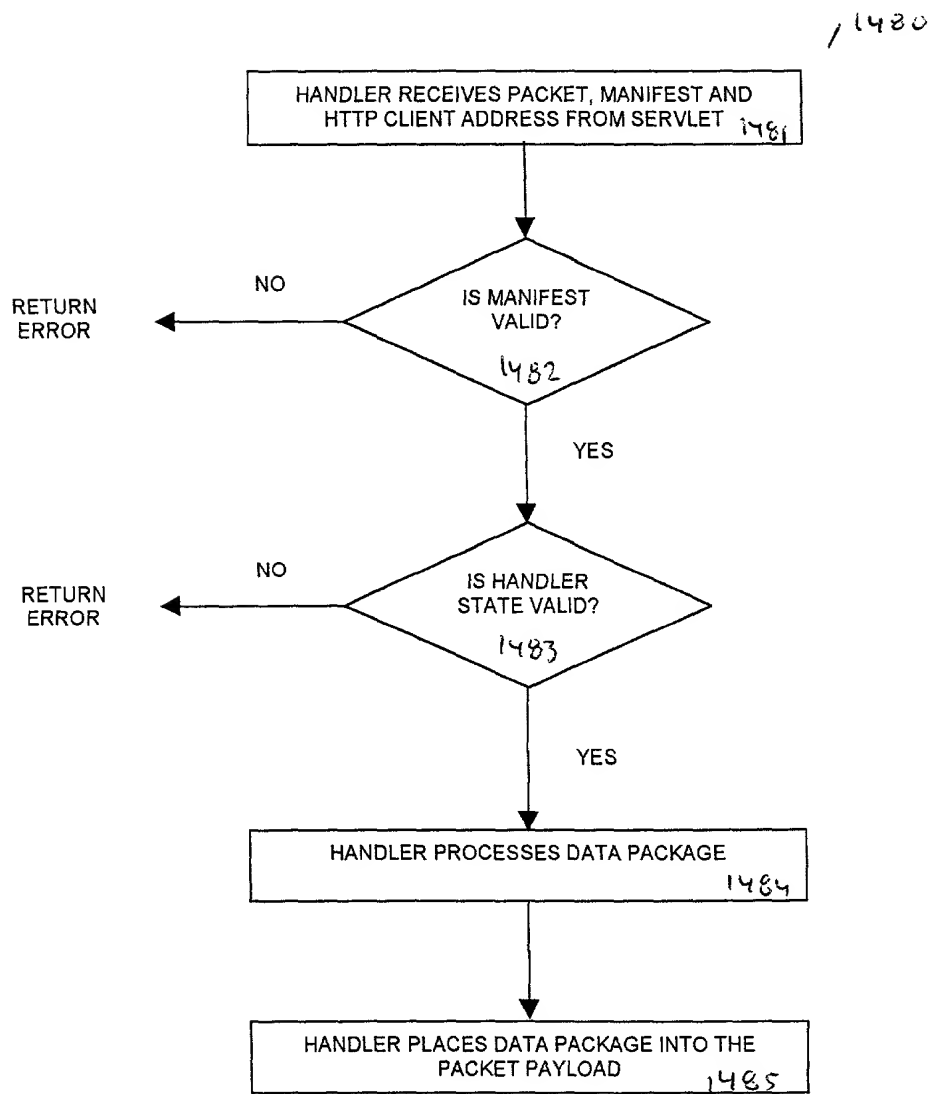


FIG. 14D

11490

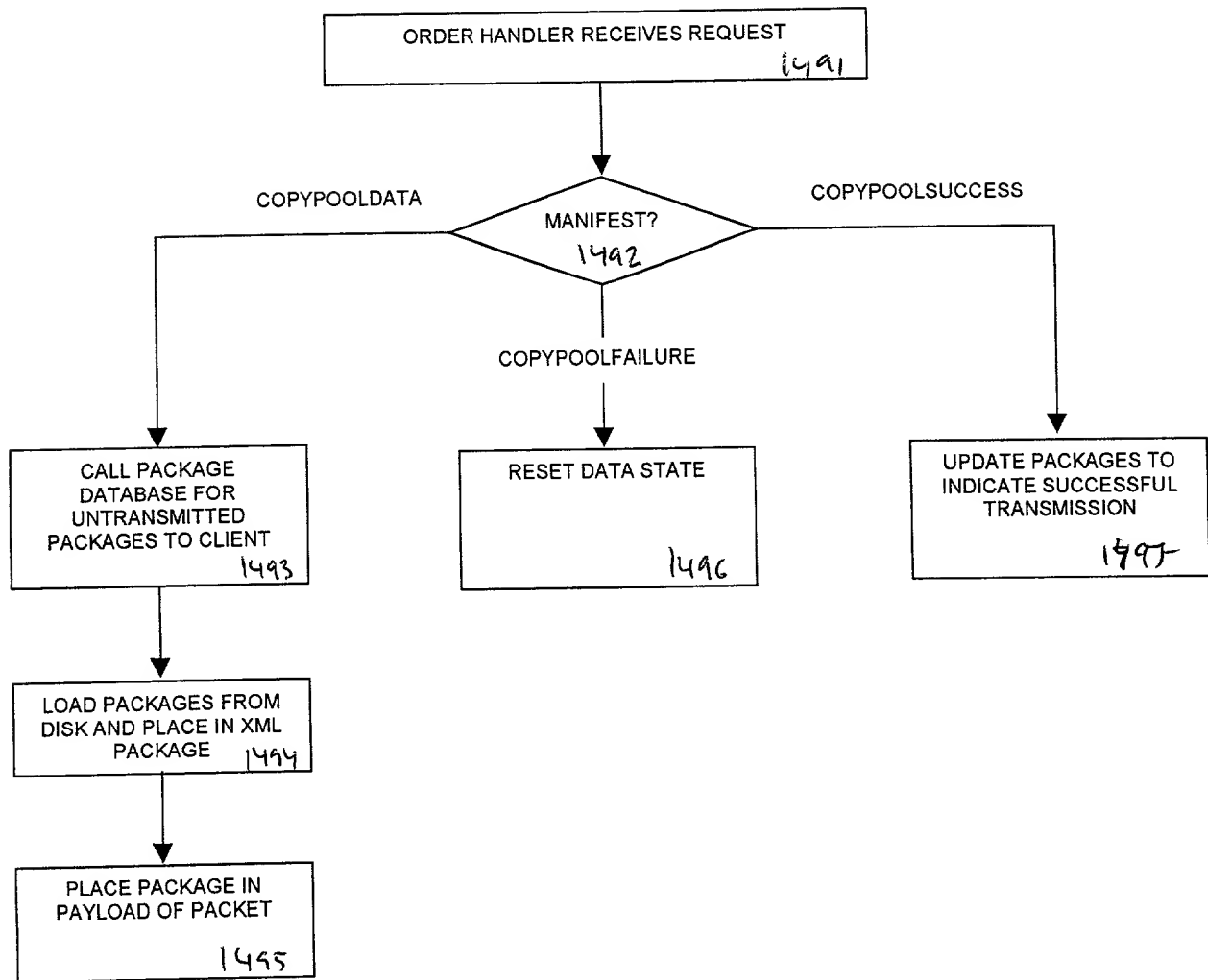


FIG. 14E

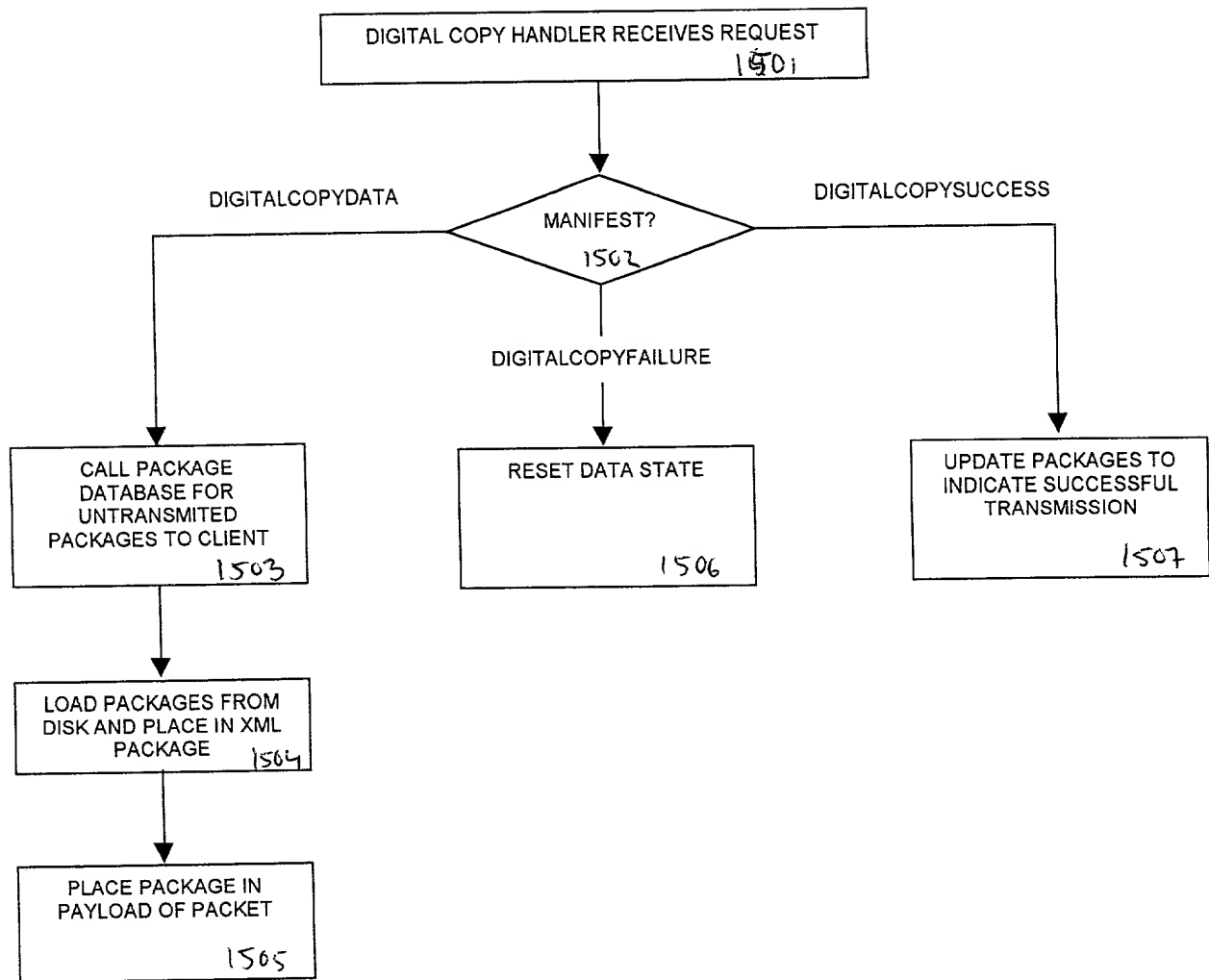


FIG. 14F

1510

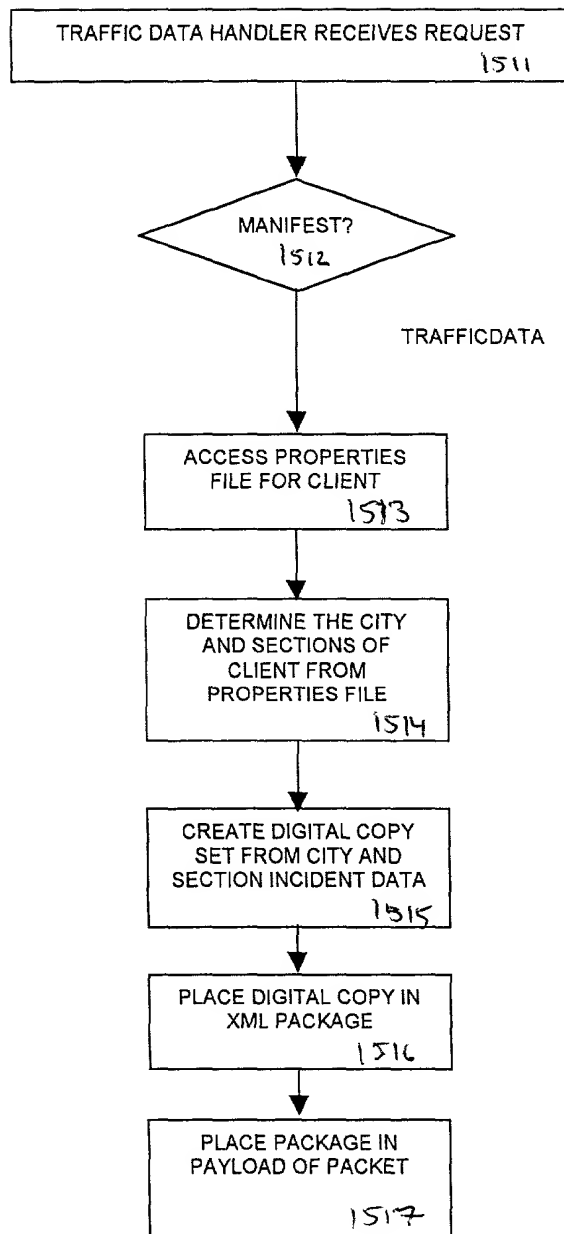


FIG. 14G

11520

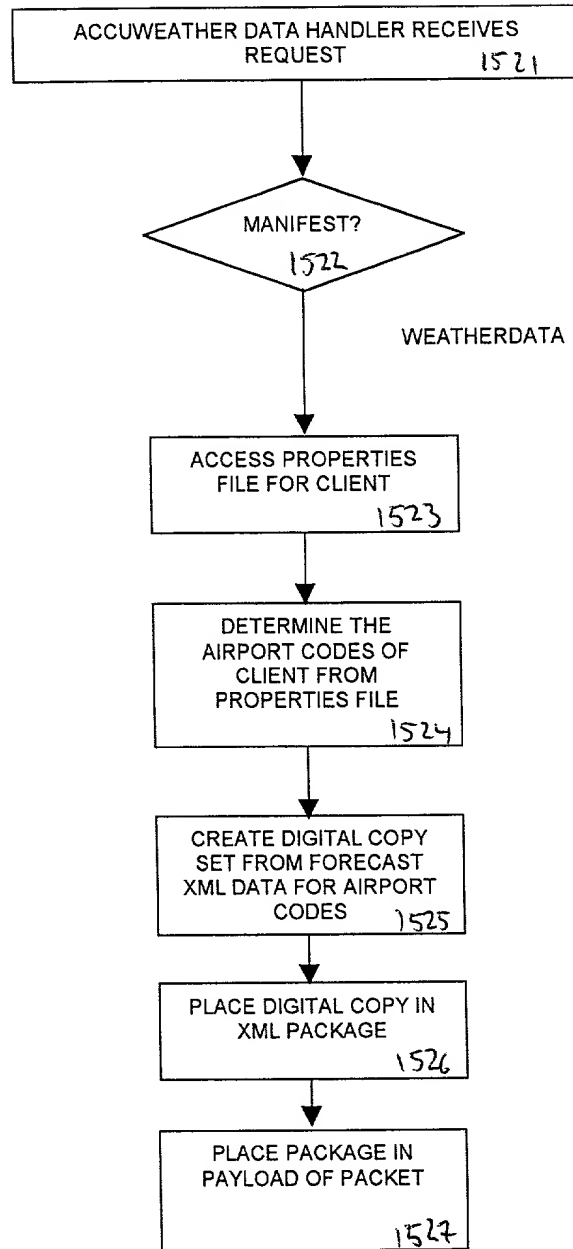


FIG. 14H

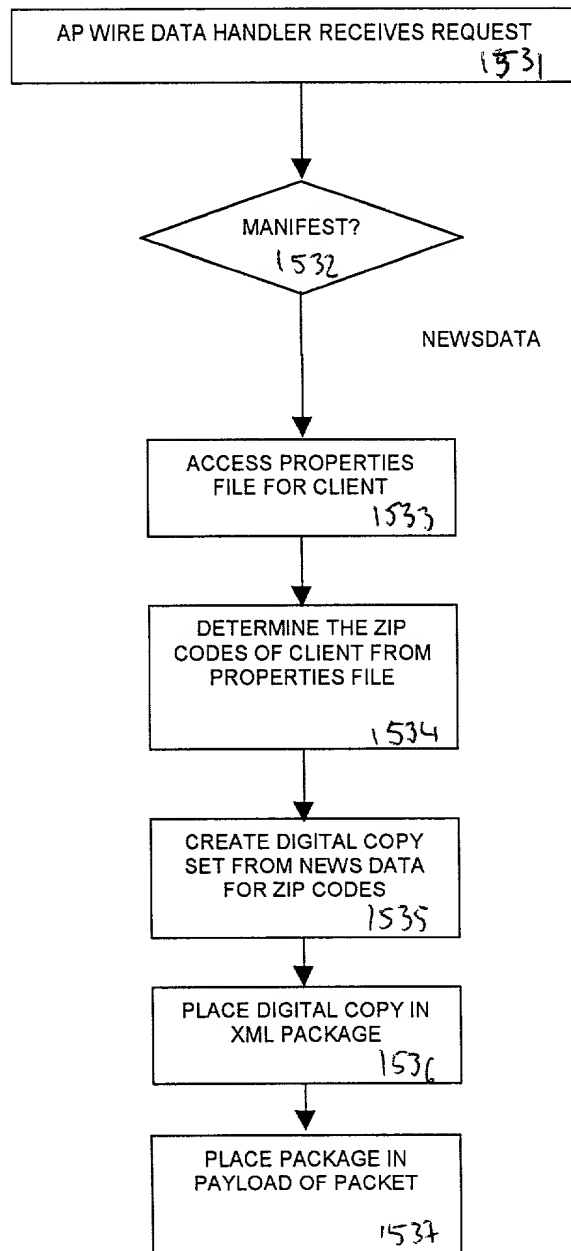


FIG. 14I

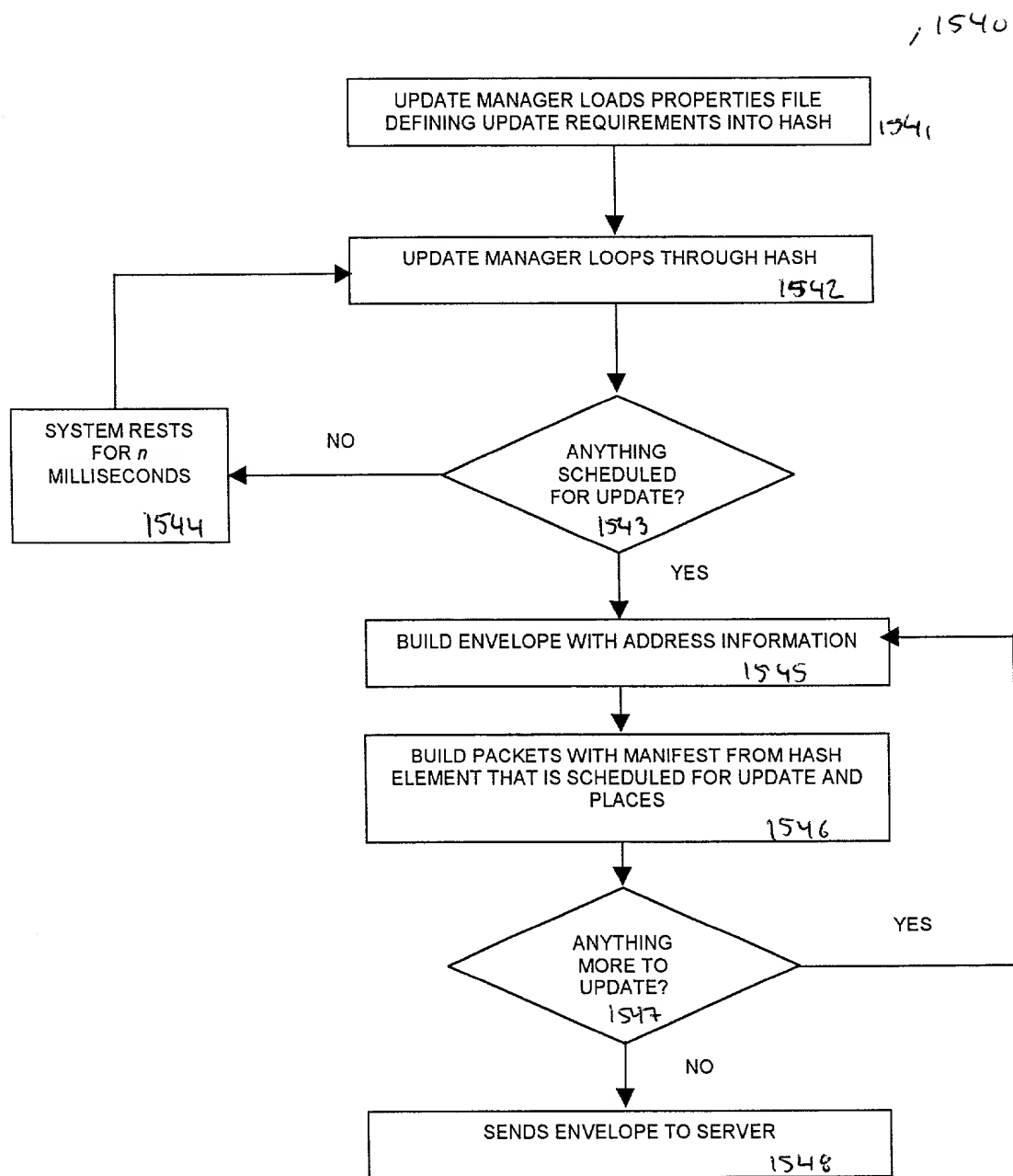


FIG. 14J

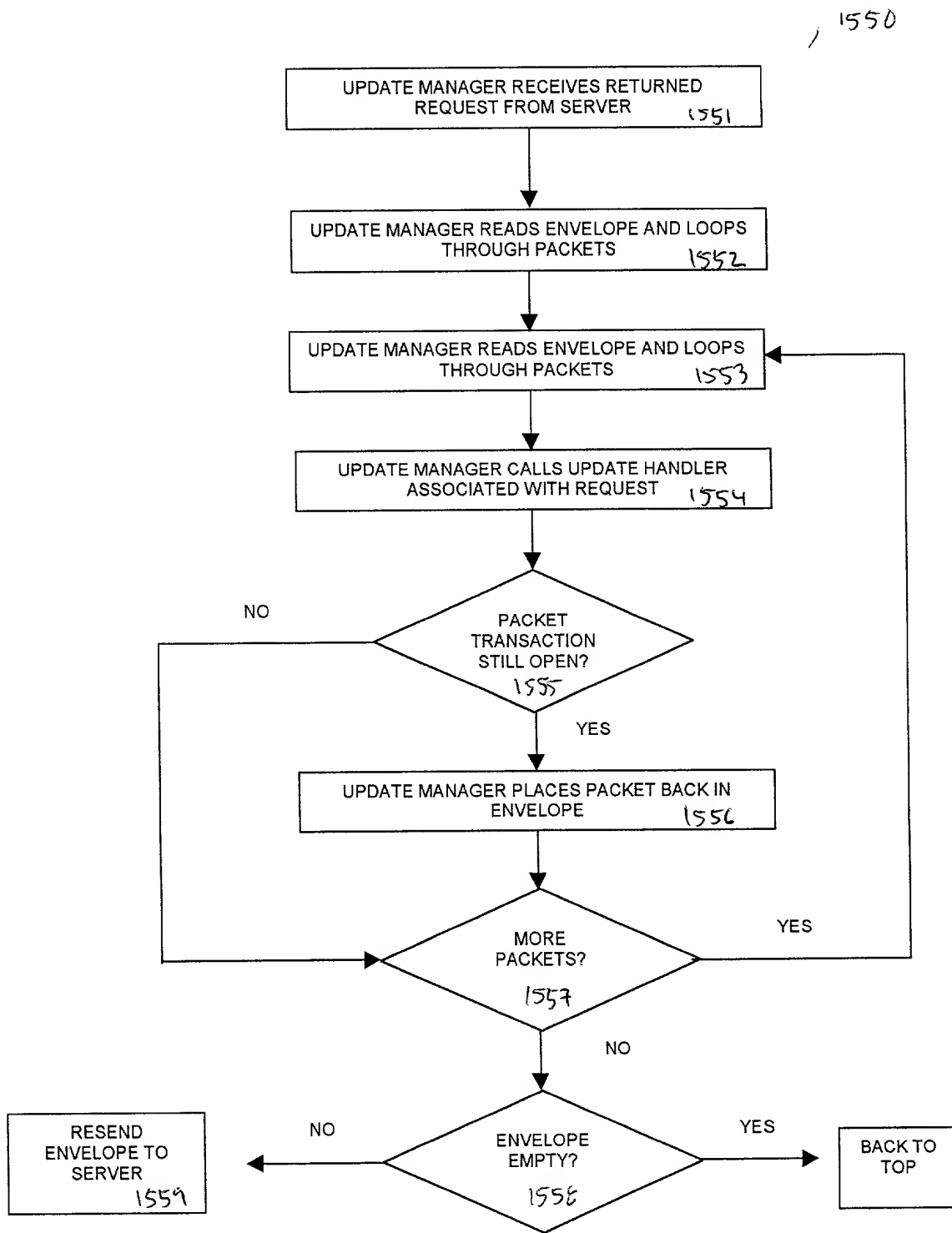


FIG. 14J1

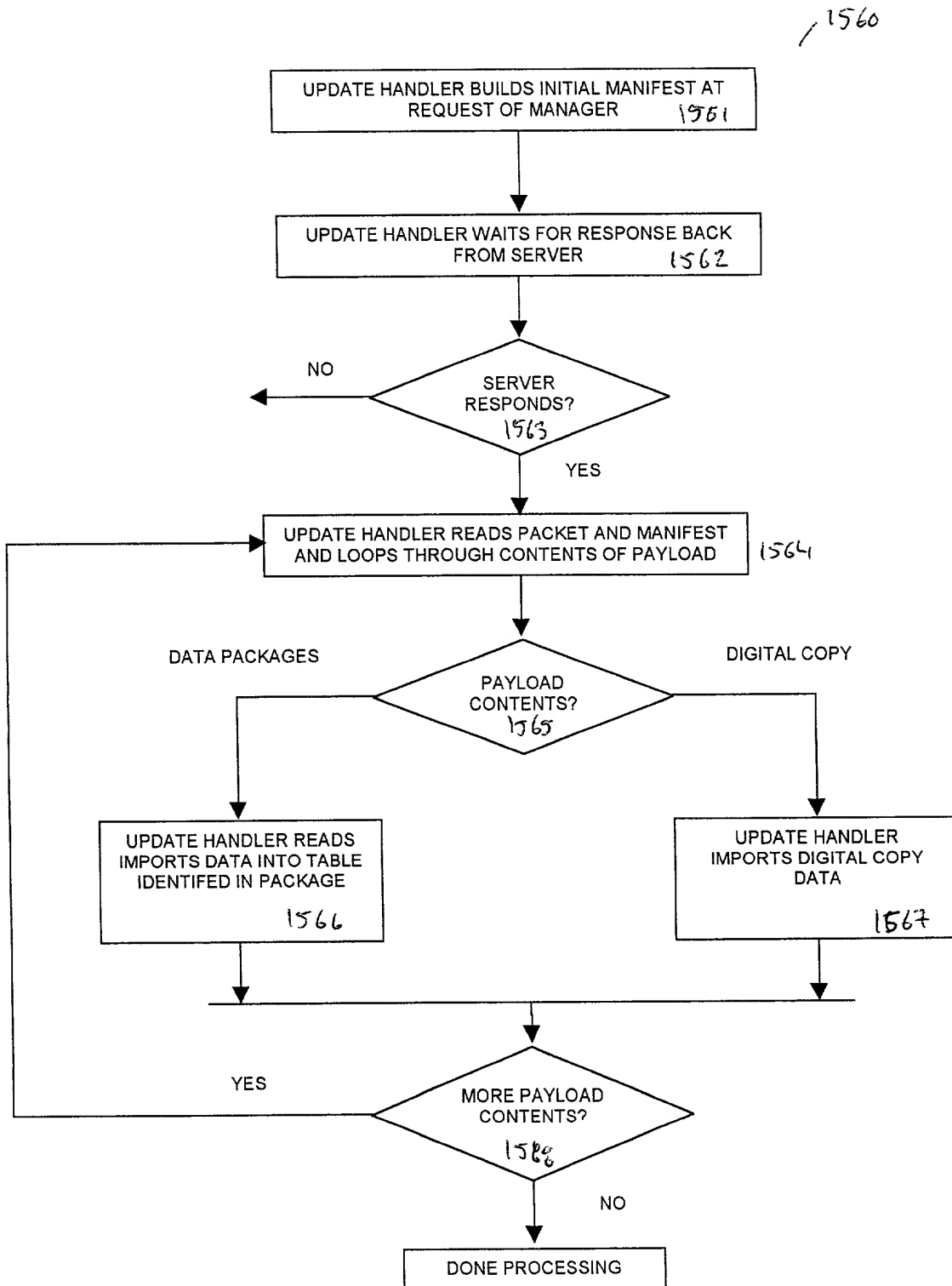


FIG. 14K

<!ELEMENT Envelope (AddressInfo | Packet*) >

<!ELEMENT AddressInfo (Sender | credential | recipient) #REQUIRED >

<!ELEMENT Sender (#PCDATA) #REQUIRED >

<!ELEMENT credential (#PCDATA) #REQUIRED >

<!ELEMENT recipient (#PCDATA) #REQUIRED >

<!ELEMENT Packet (PacketInfo | payload) #REQUIRED >

<!ELEMENT PacketInfo (packetTransID | manifest | type) #REQUIRED >

<!ELEMENT packetTransID (#PCDATA) #REQUIRED >

<!ELEMENT manifest (#PCDATA) #REQUIRED >

<!ELEMENT type (#PCDATA) #REQUIRED >

<!ELEMENT payload (#PCDATA) #REQUIRED >

1571

```
<?xml version="1.0" encoding="UTF-8"?>
<Envelope>
  <AddressInfo>
    <Sender>2</Sender>
    <credential>qazxsw23edcvfr45tgbnhy67ujmki890ed21</credential>
    <Recipient>192.168.0.1/servlets/BBserver</Recipient>
  </AddressInfo>
  <Packet>
    <PacketInfo>
      <packetTransID>985971169074</packetTransID>
      <manifest>DIGITALCOPYPACKAGE</manifest>
      <type>1</type>
    </PacketInfo>
    <payload>&lt;?xml
version=&quot;1.0&quot;
encoding=&quot;UTF-8&quot;?&gt;
&lt;Request&gt;DIGITALCOPYPACKAGE&lt;/Request&gt;
&lt;/payload>
  </Packet>
</Envelope>
```

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FIG. 14M

- 1580

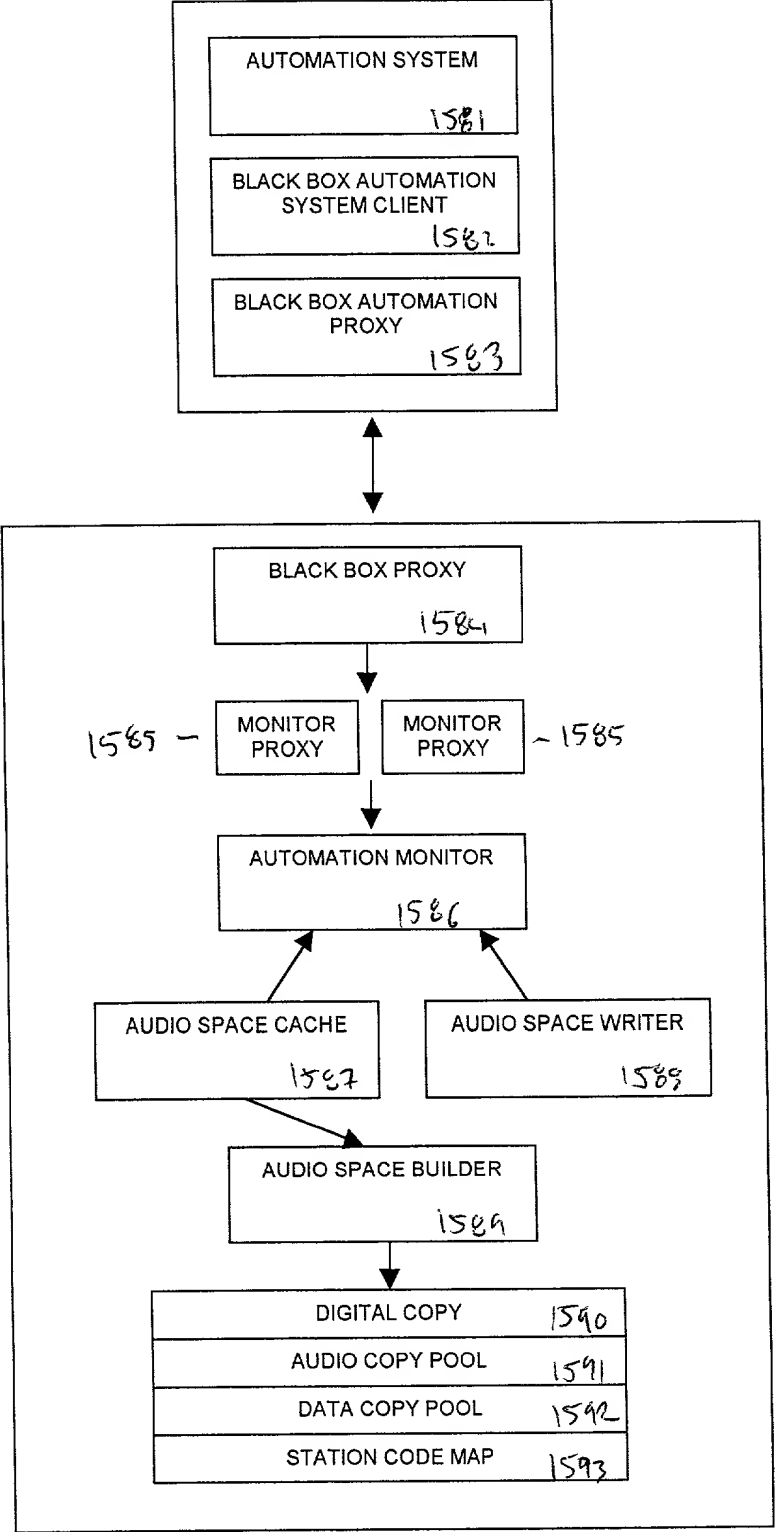


FIG. 15A

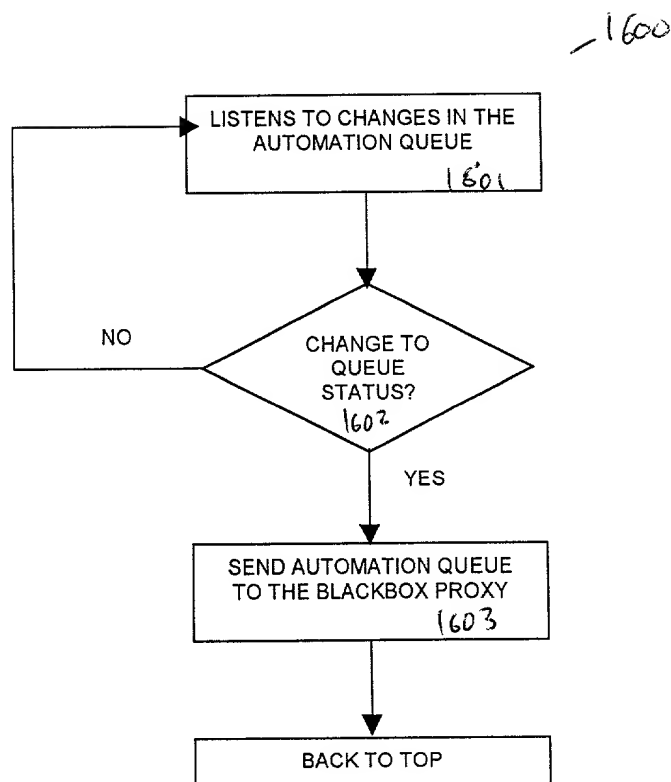


FIG. 15B

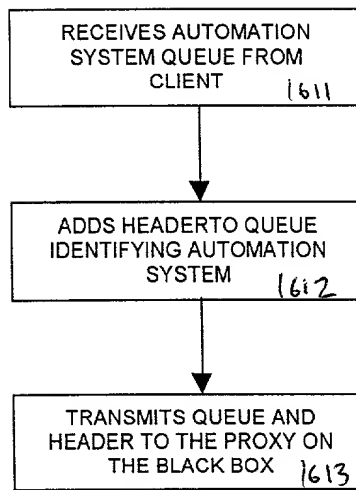


FIG. 15C

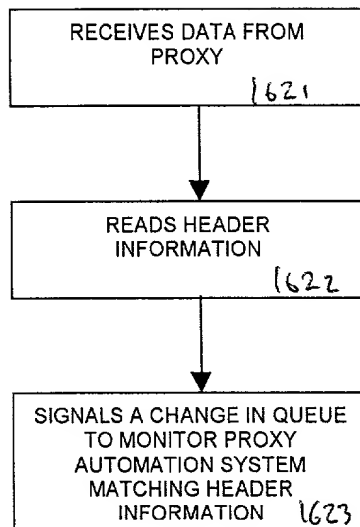


FIG. 15D

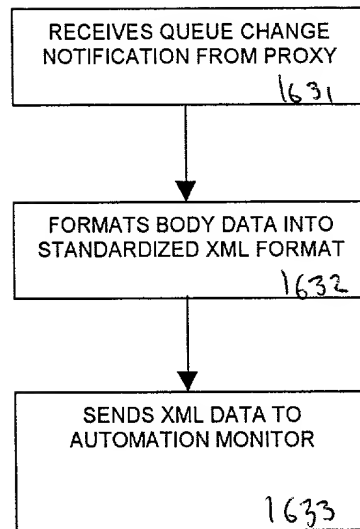


FIG. 15E

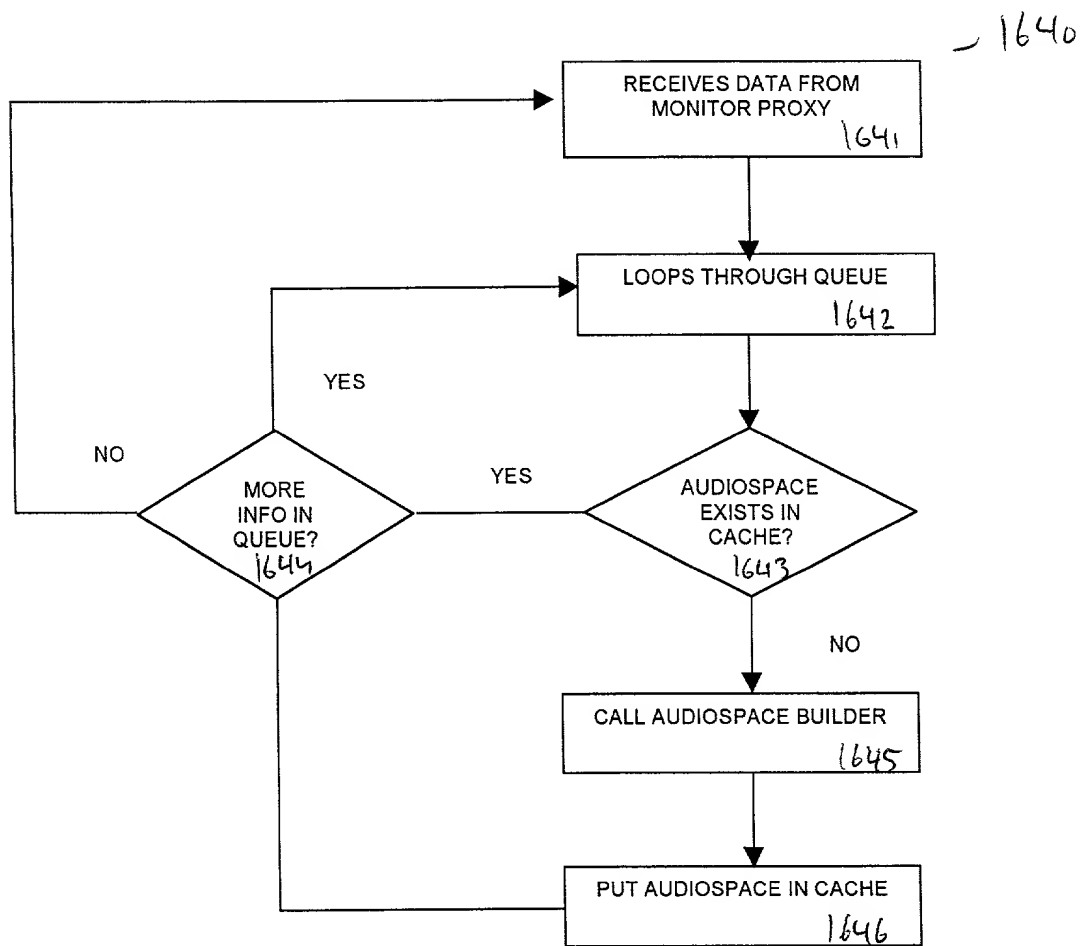


FIG. 15F

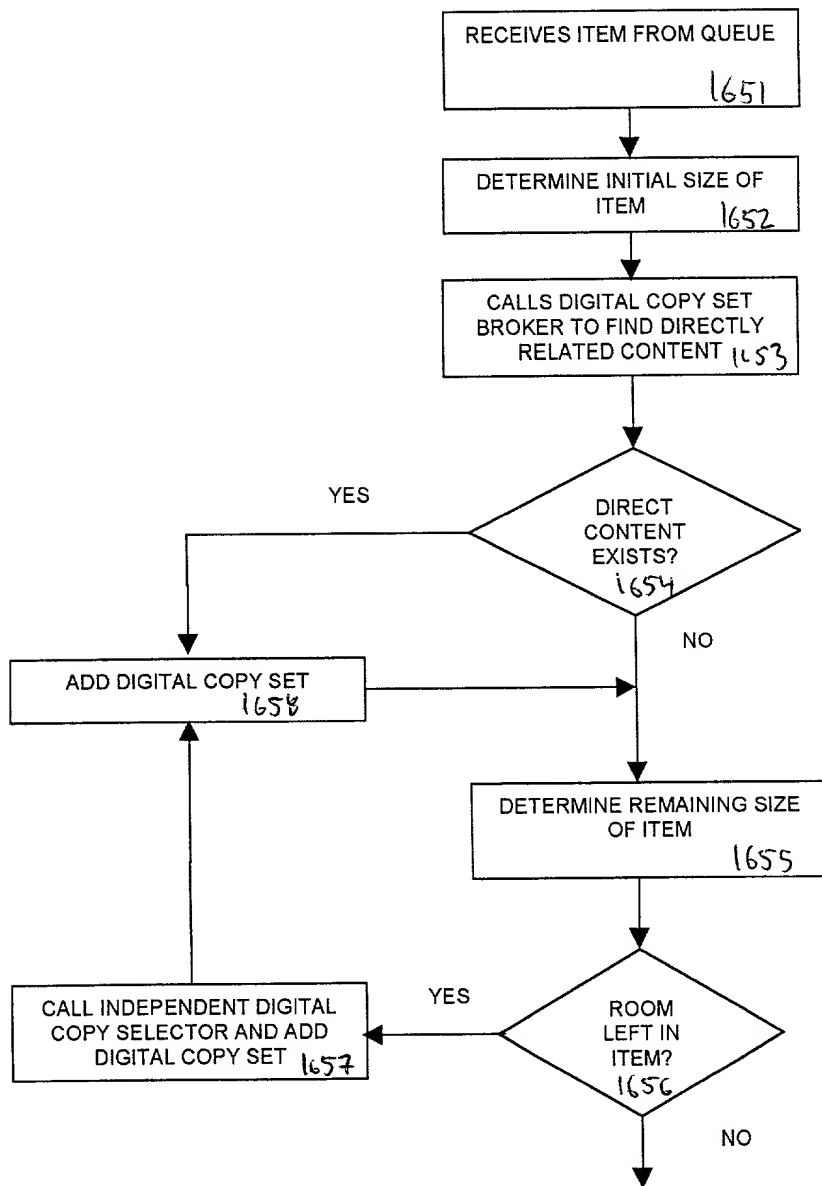


FIG. 15G

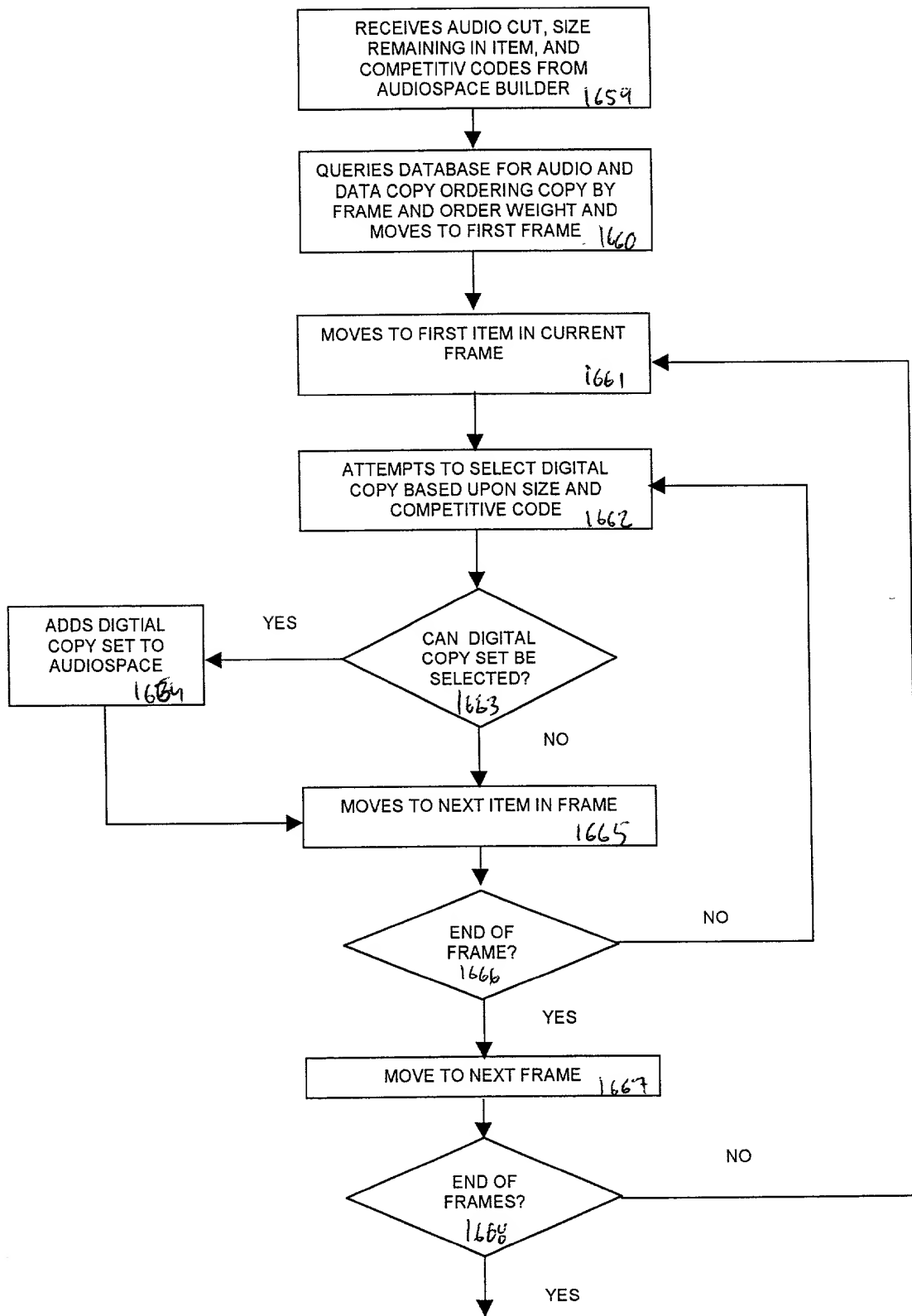


FIG. 15H

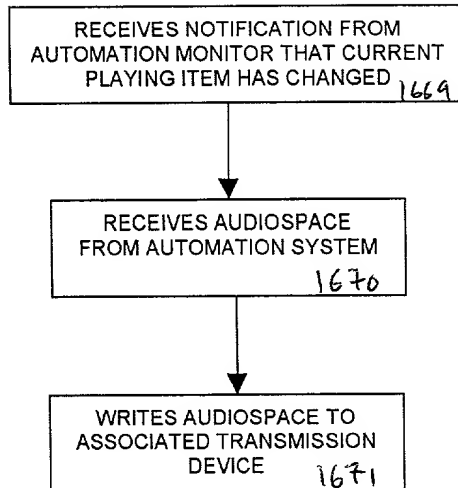


FIG. 15I

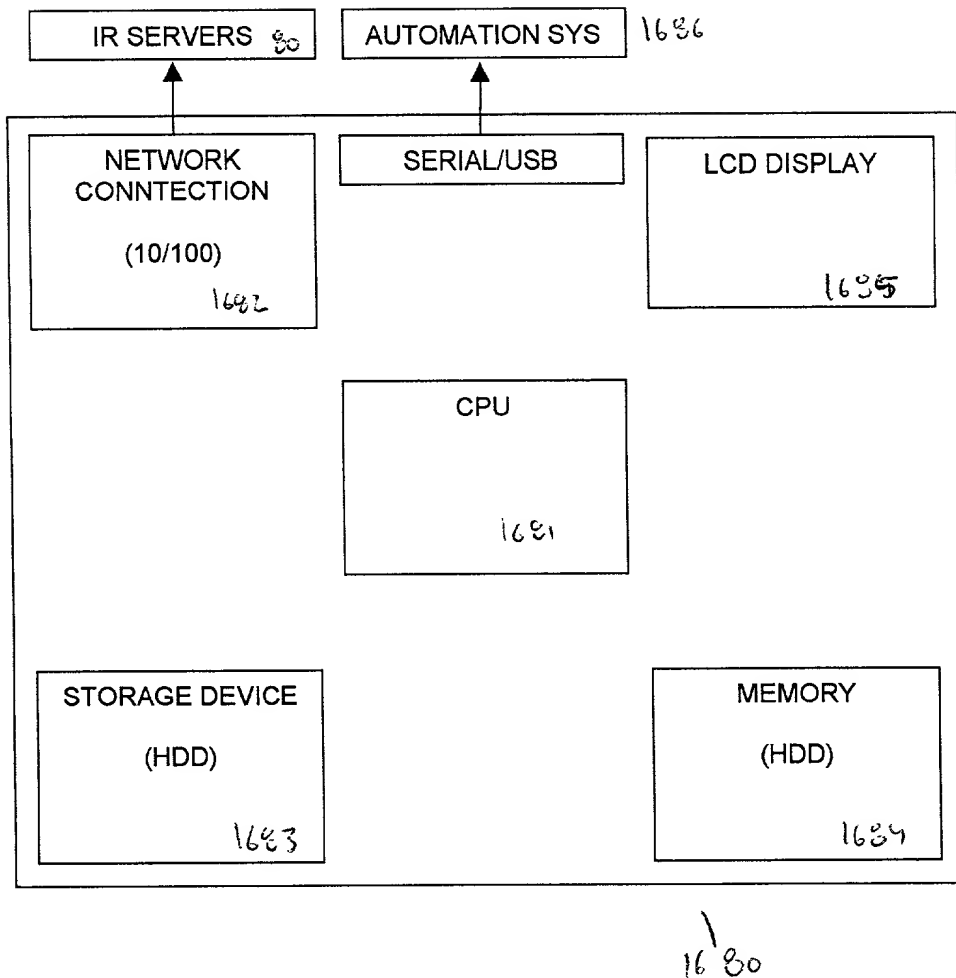


FIG. 15J

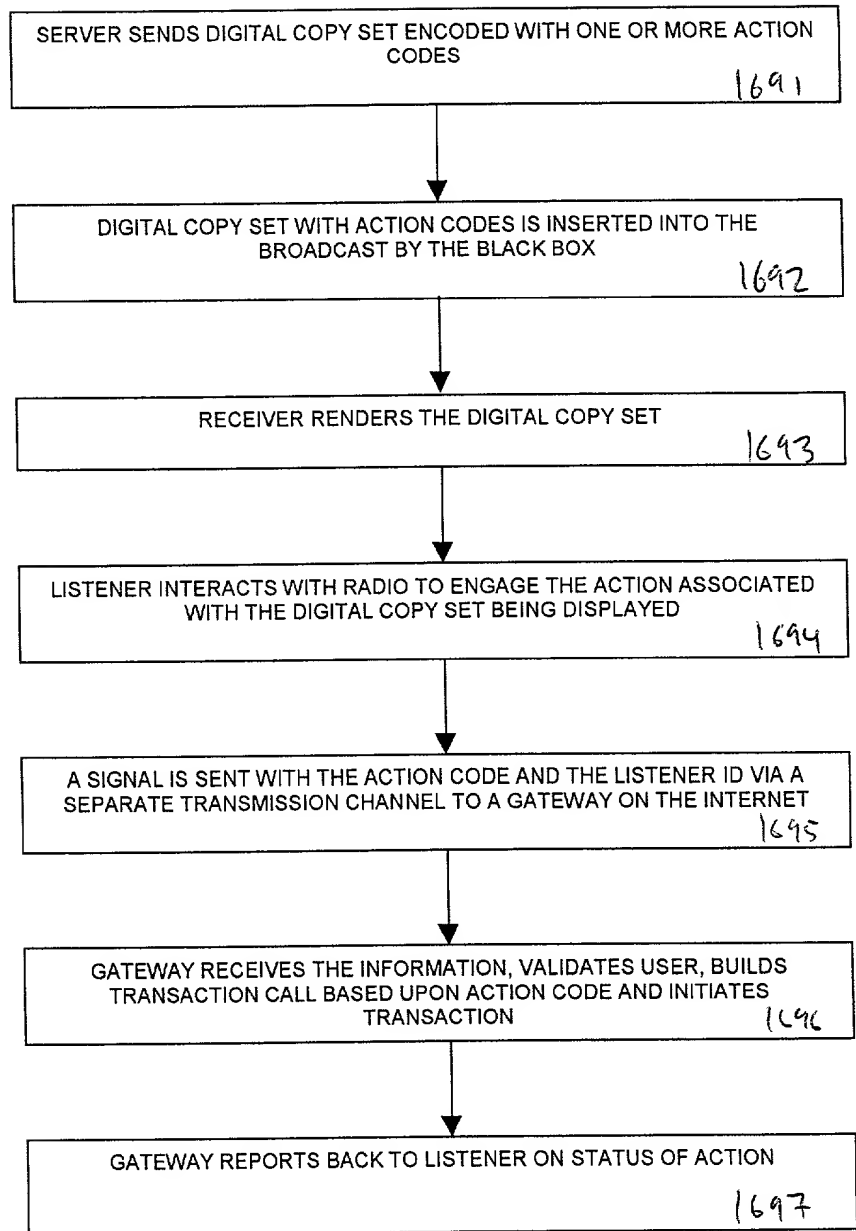


FIG. 16A

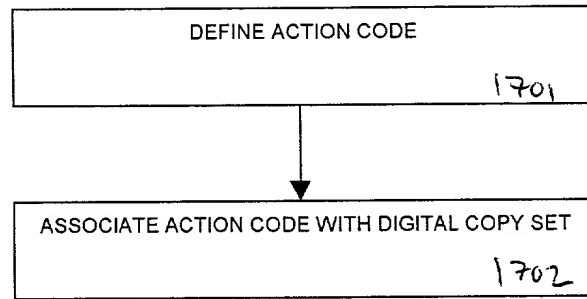


FIG. 16B

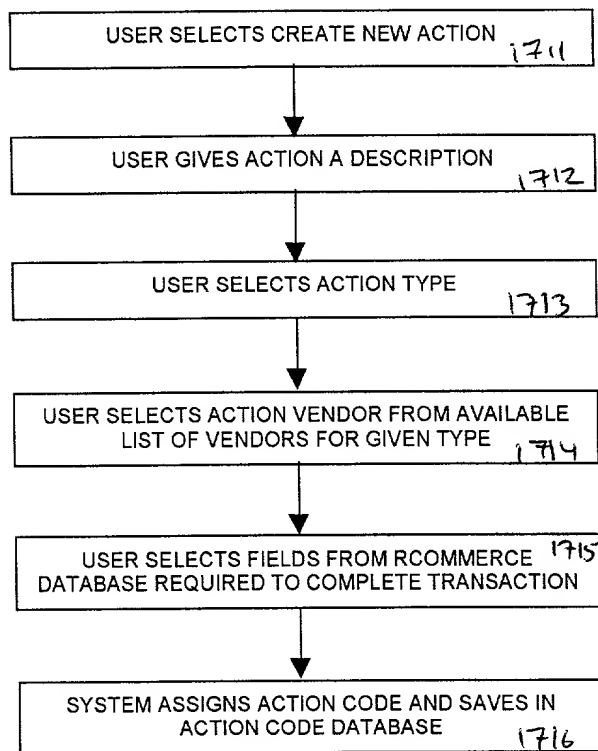


FIG. 16C

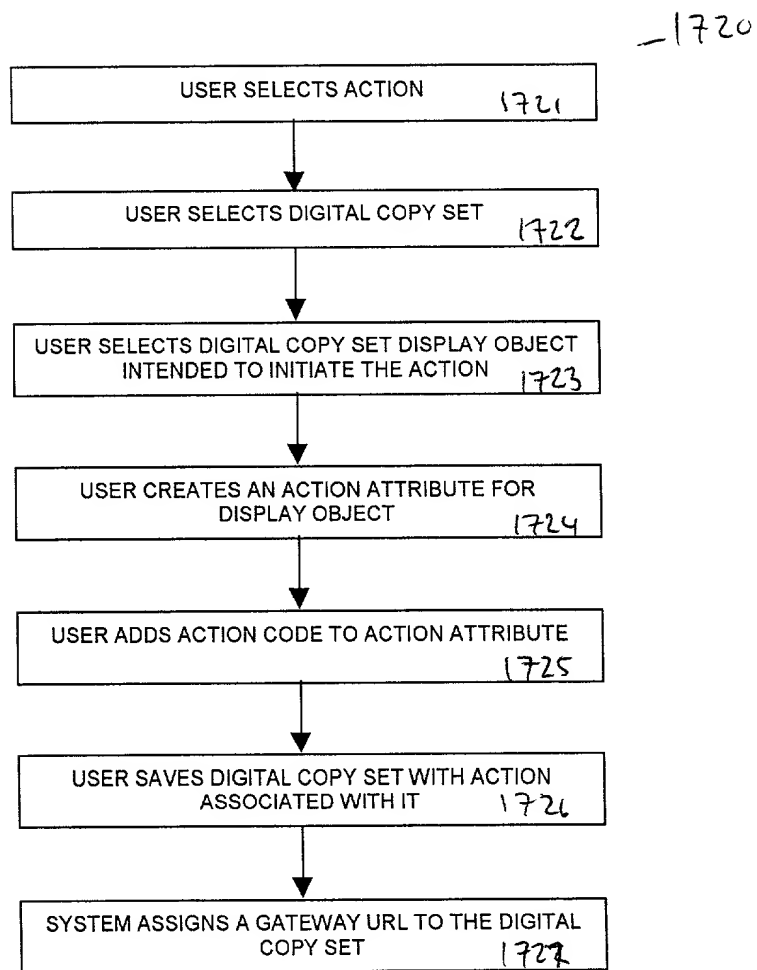


FIG. 16D

-1730

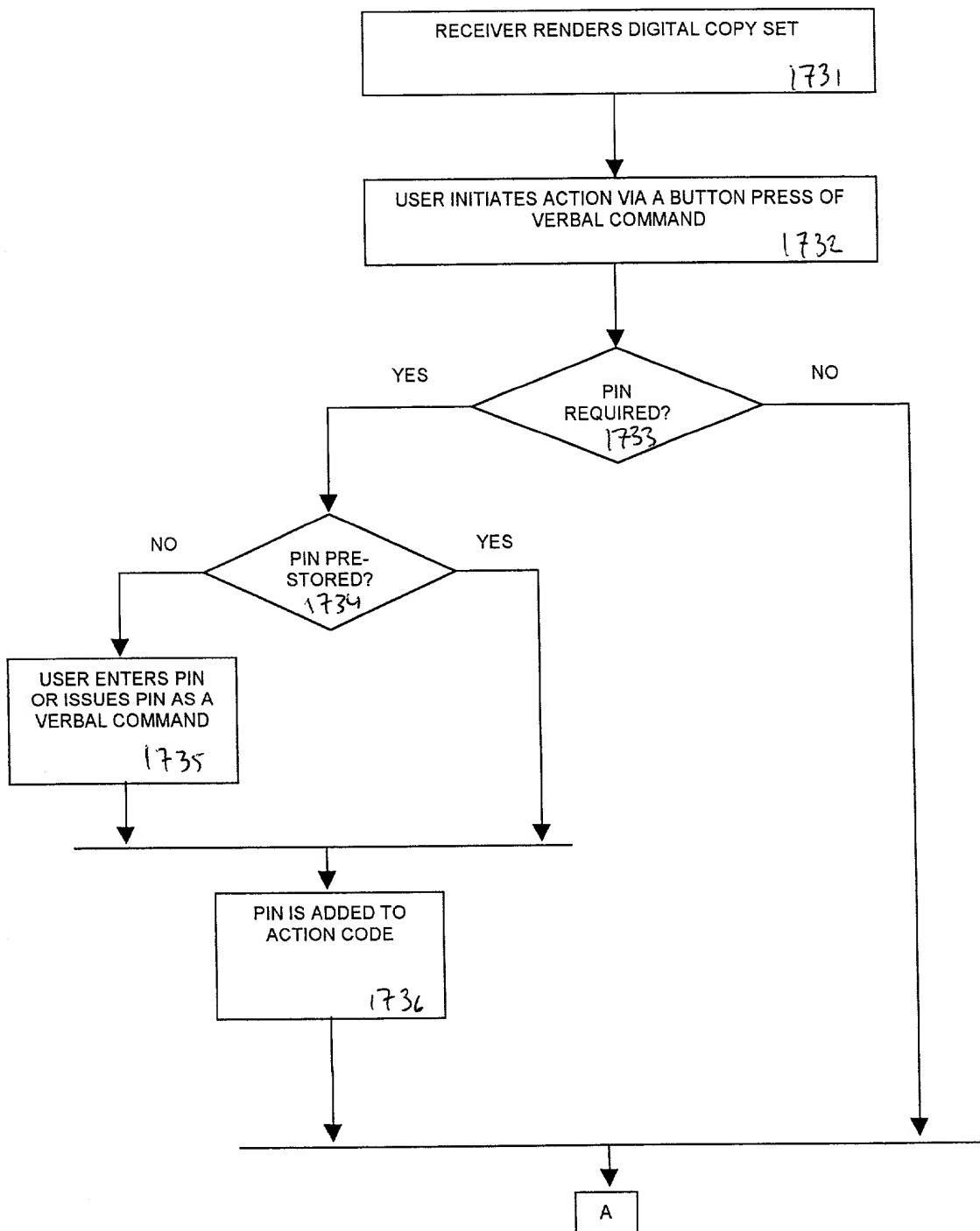


FIG. 16E

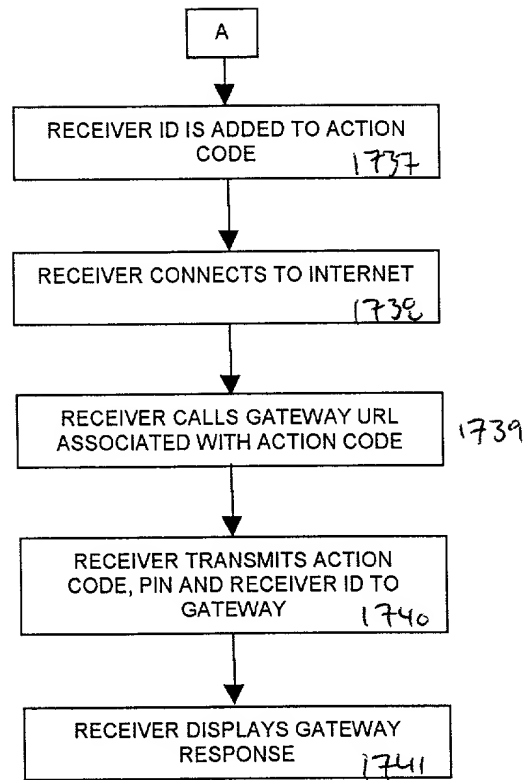


FIG. 16E1

-1750

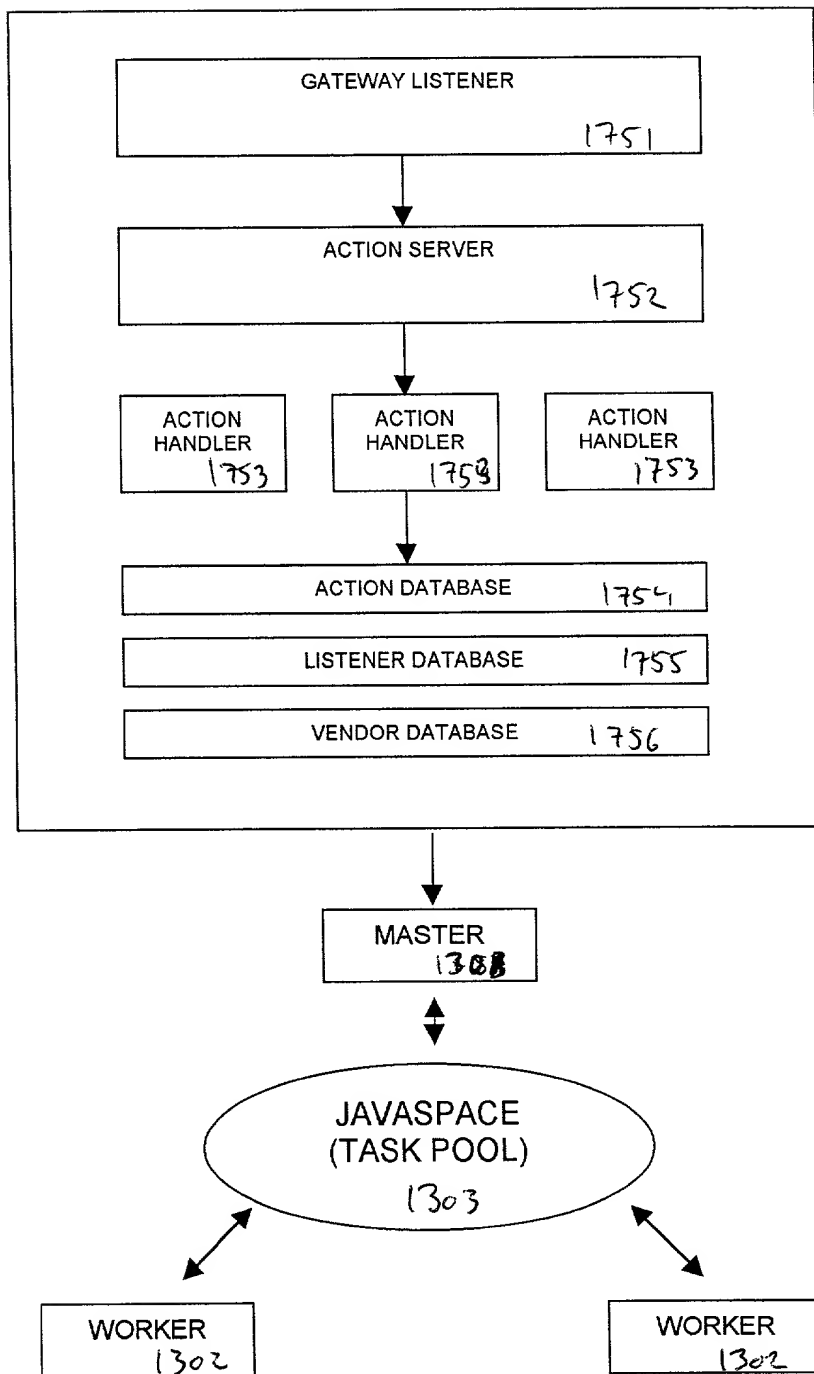


FIG. 16F

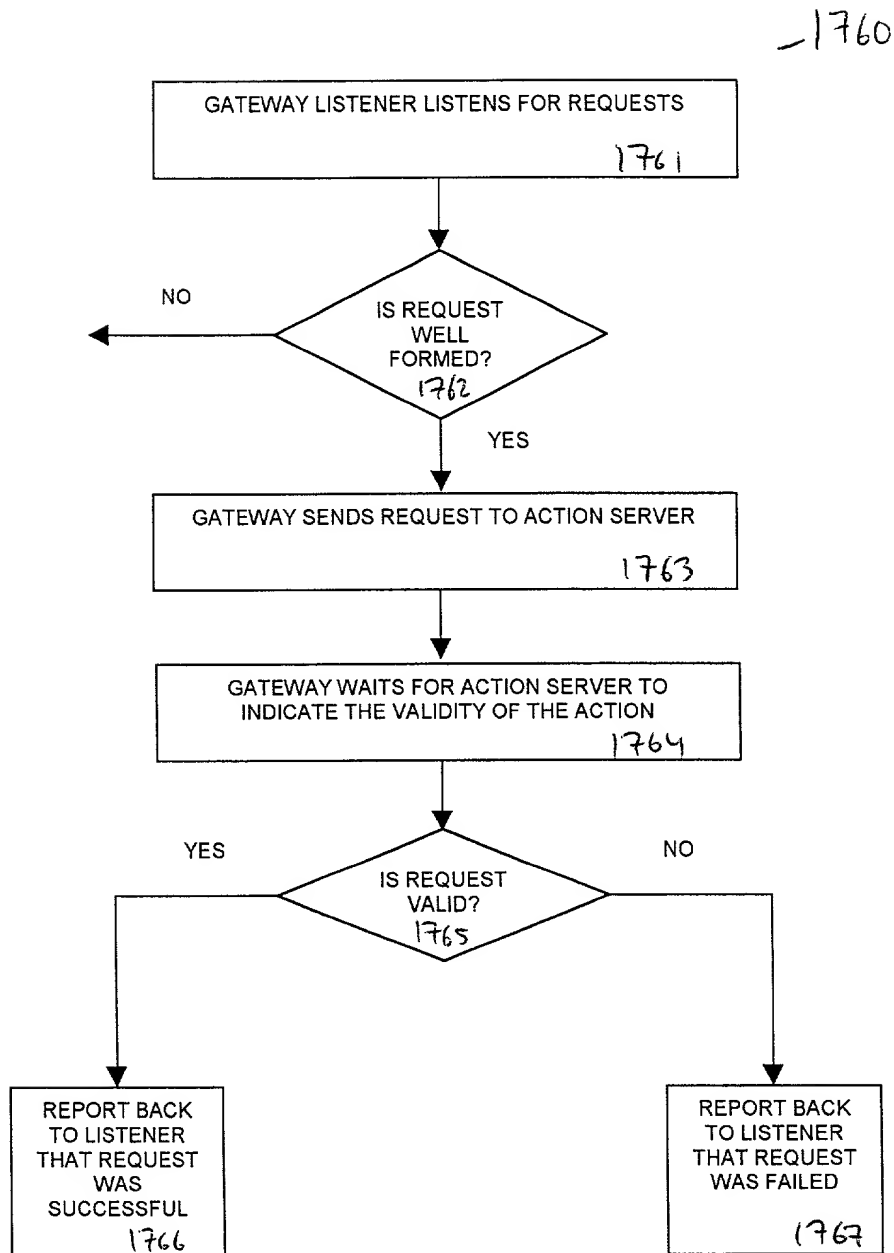


FIG. 16G

-1770

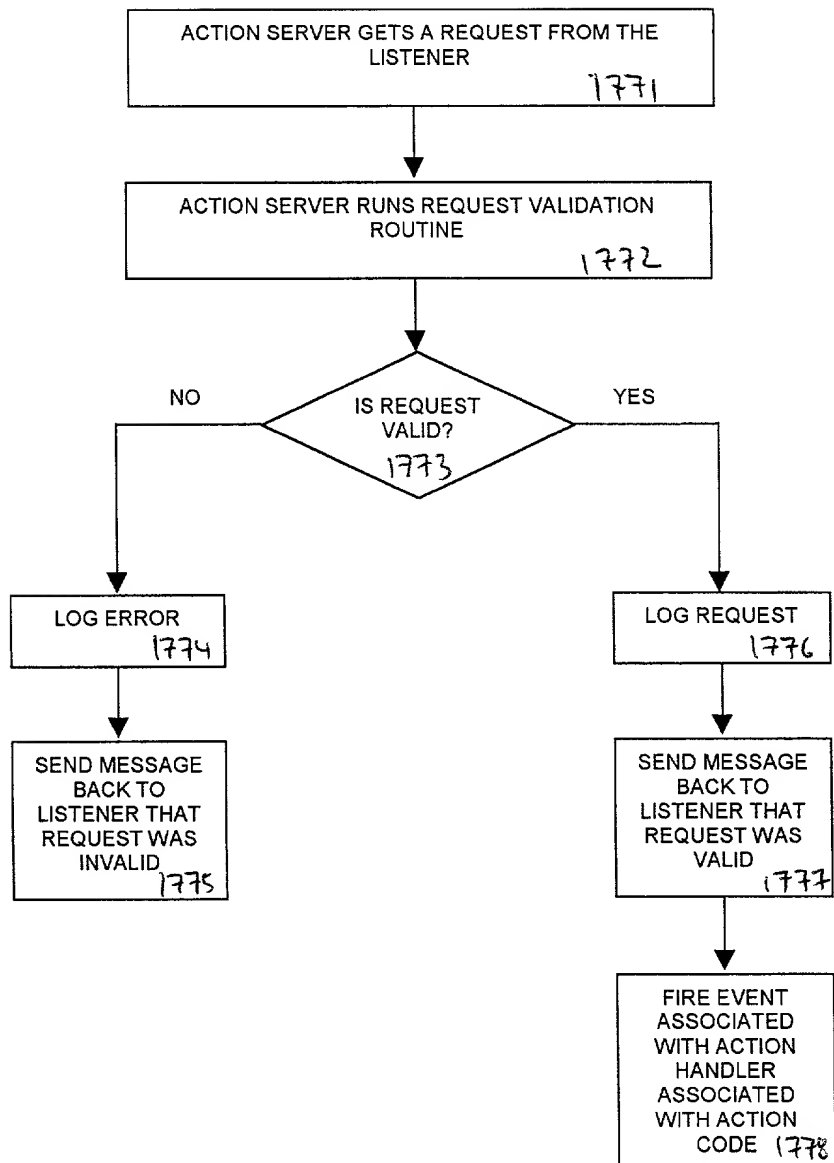


FIG. 16H

1780

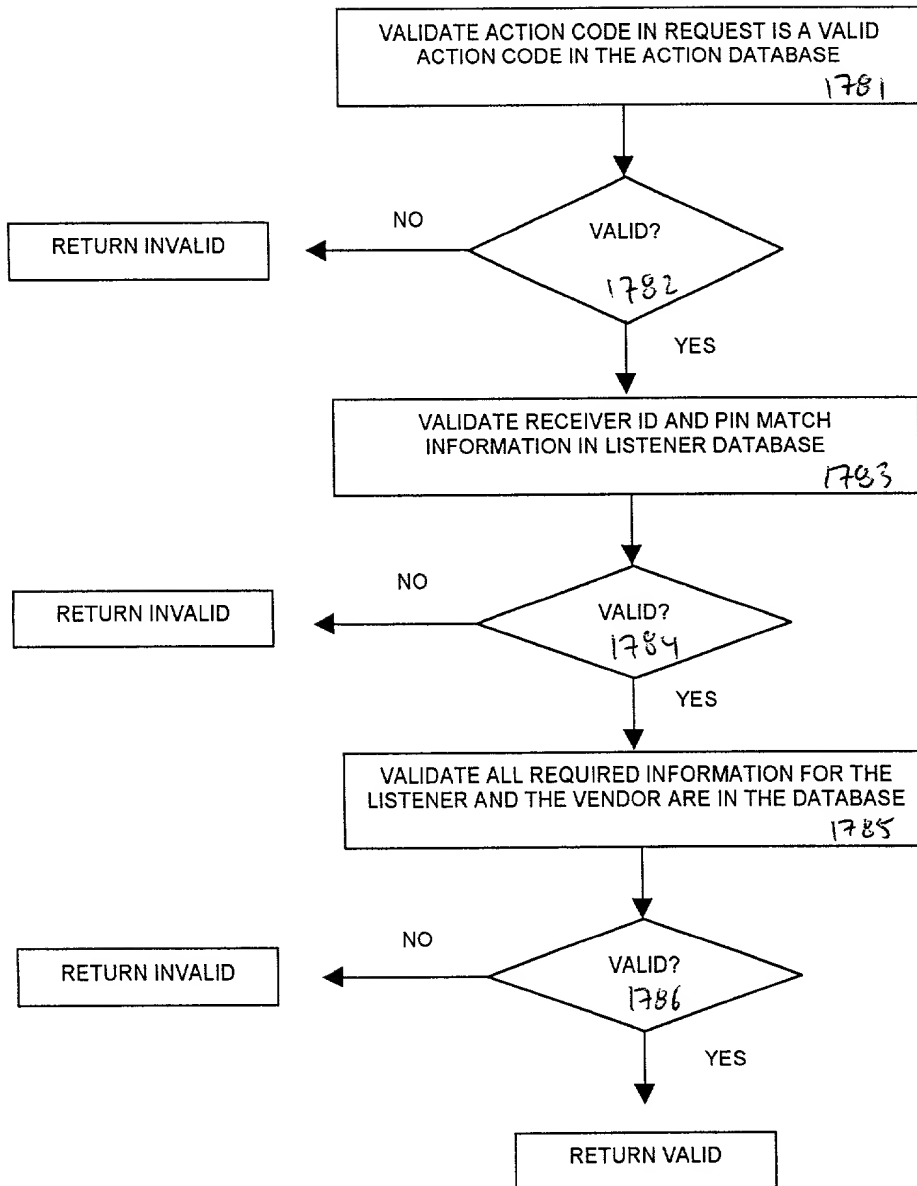


FIG. 16I

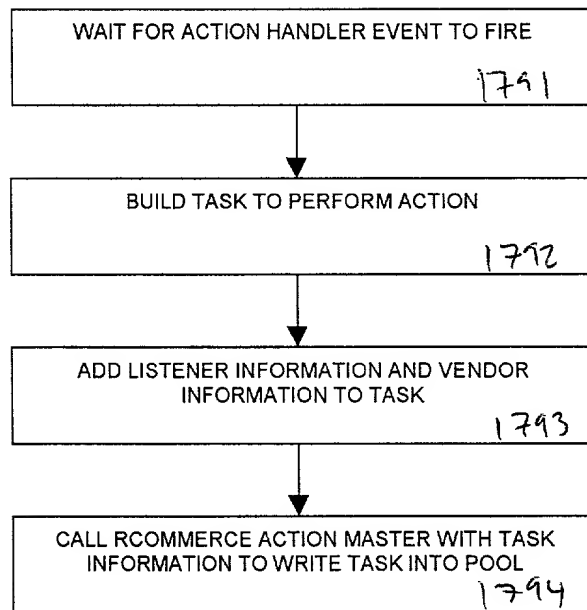


FIG. 16J

-1800

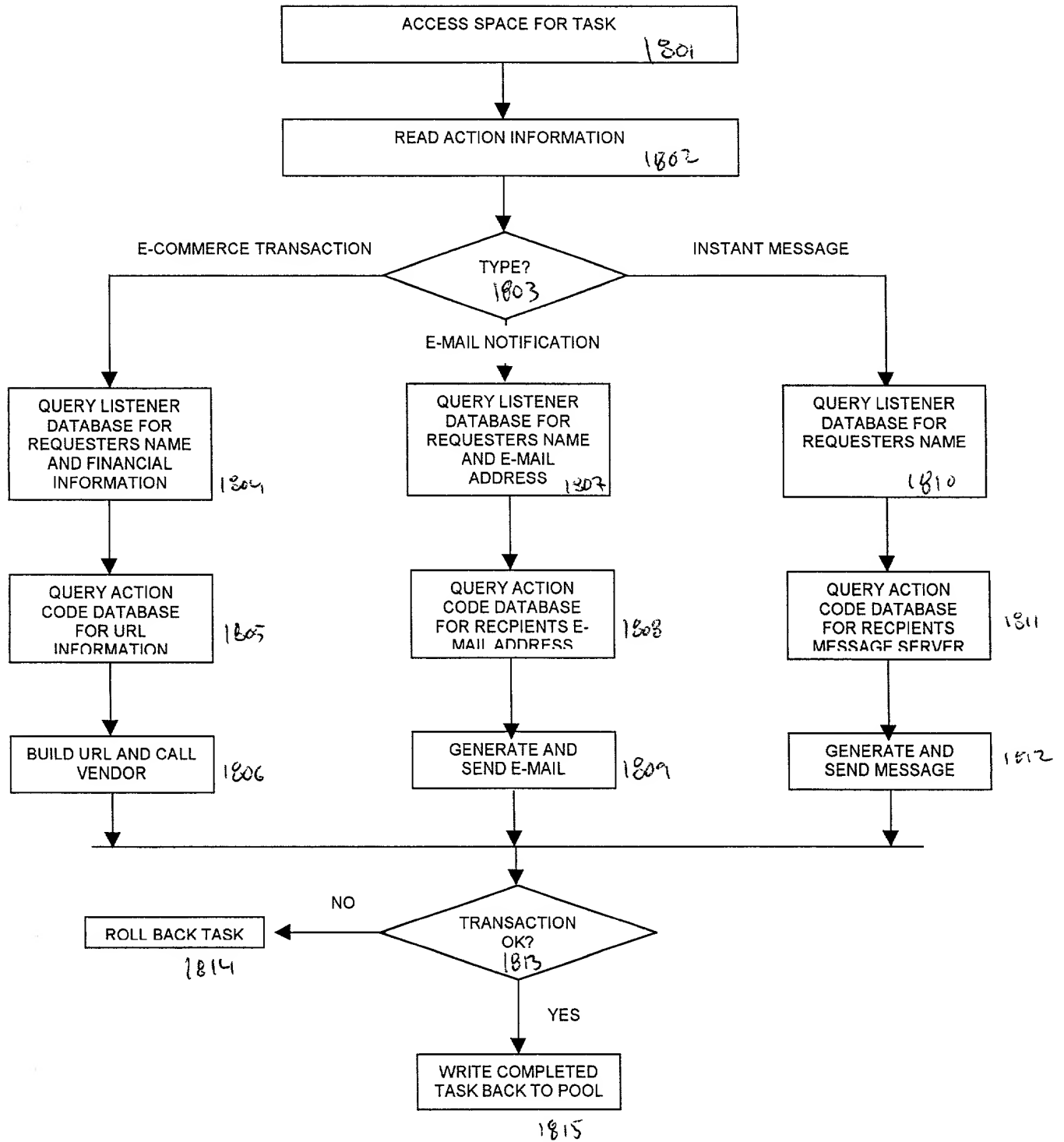


FIG. 16K

-1820

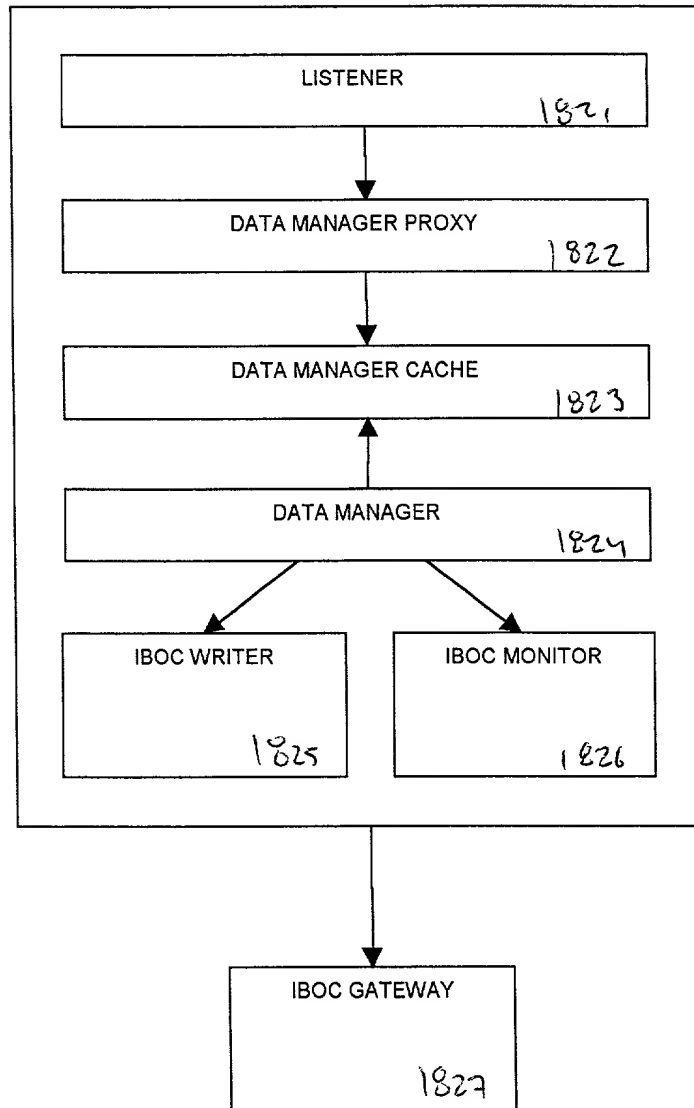


FIG. 17A

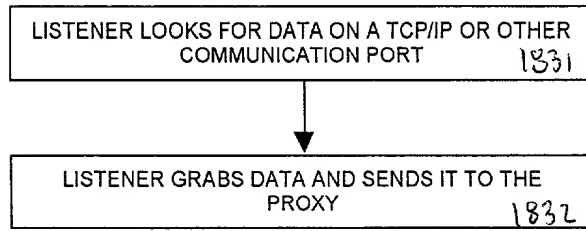


FIG. 17B

-1840

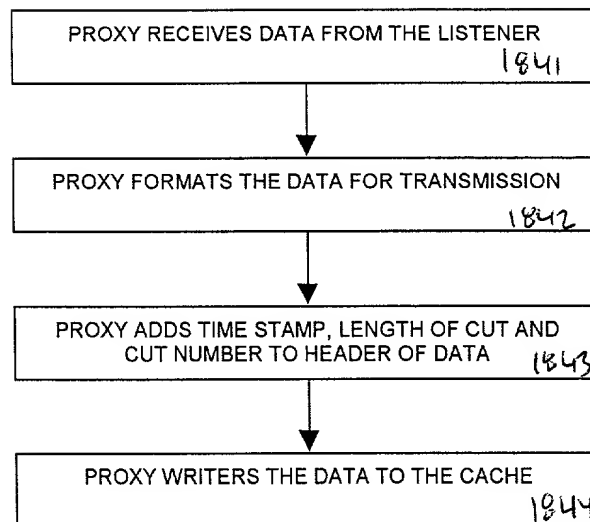


FIG. 17C

1850

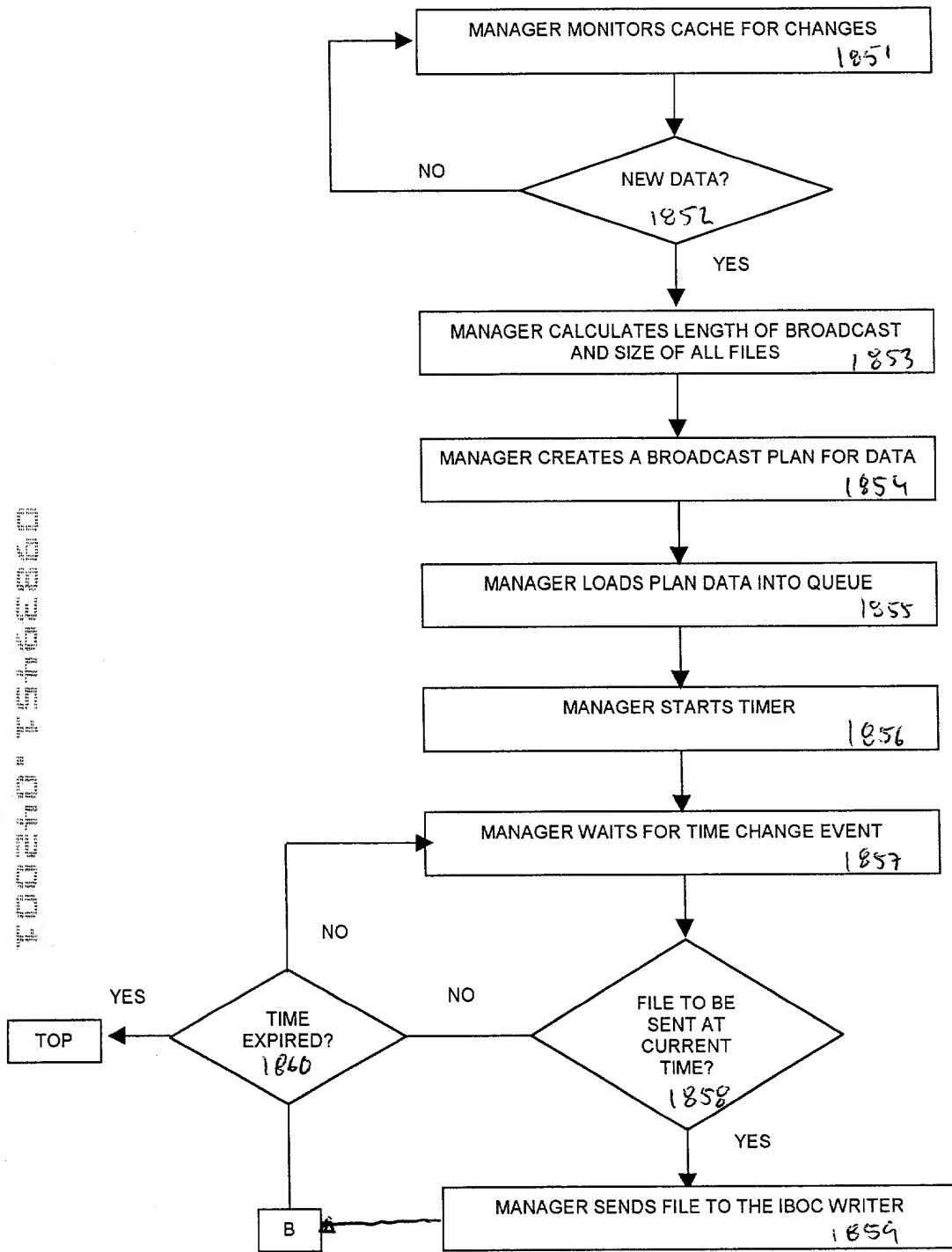


FIG. 17D

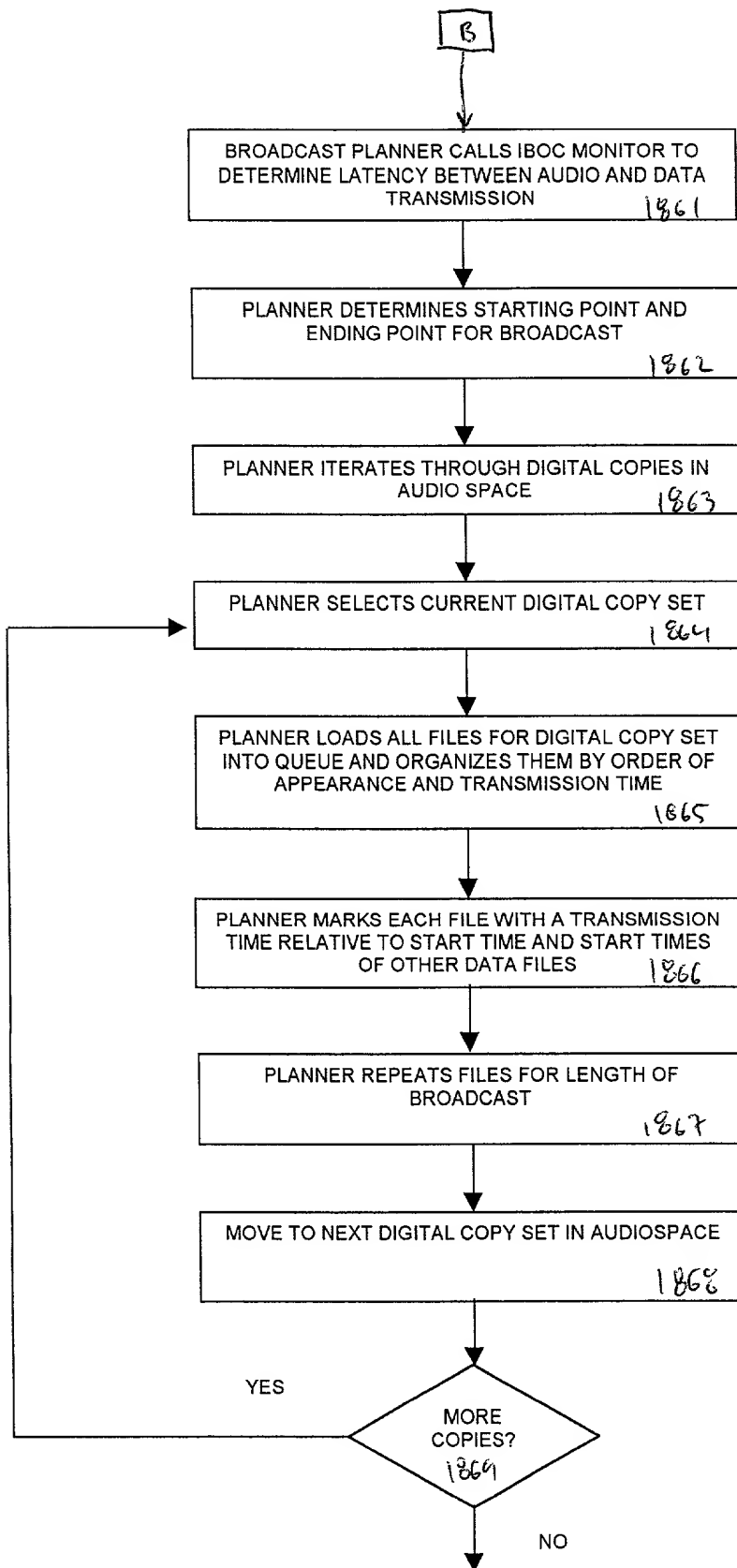


FIG. 17E

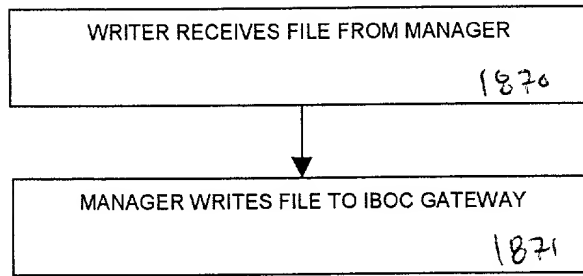


FIG. 17F

1820

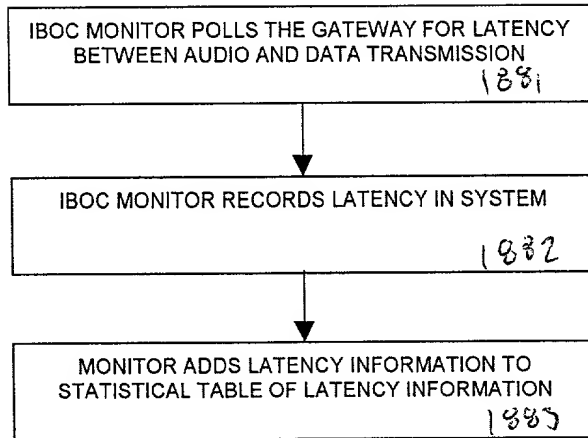


FIG. 17G

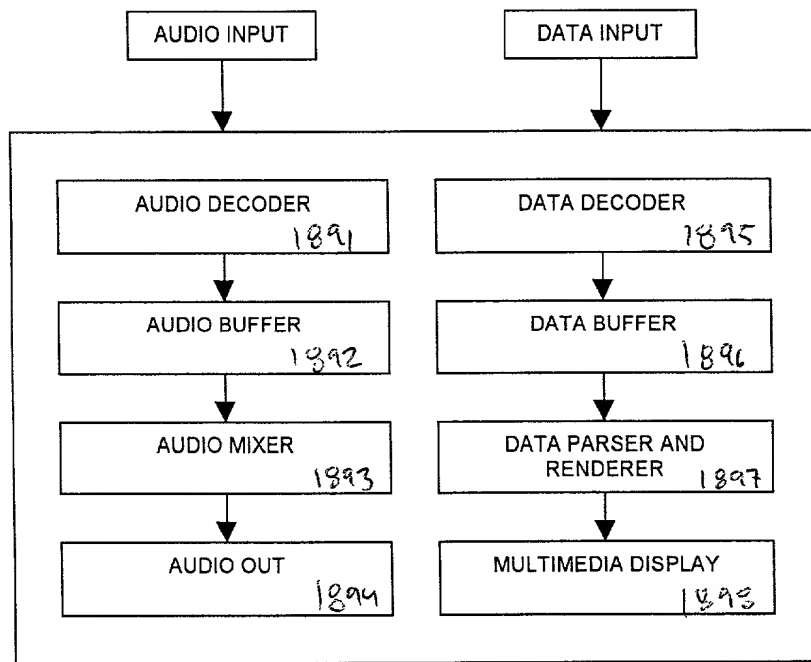


FIG. 18A

1900

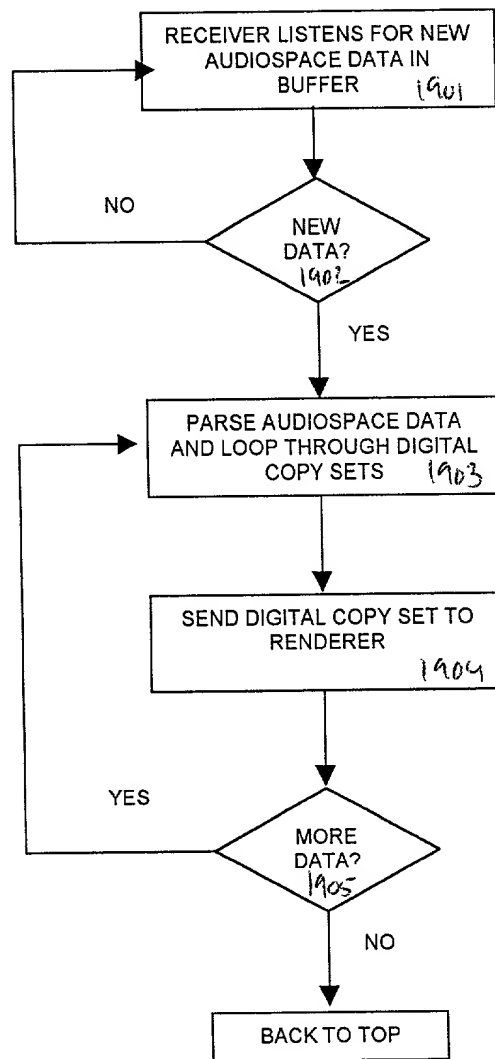


FIG. 18B

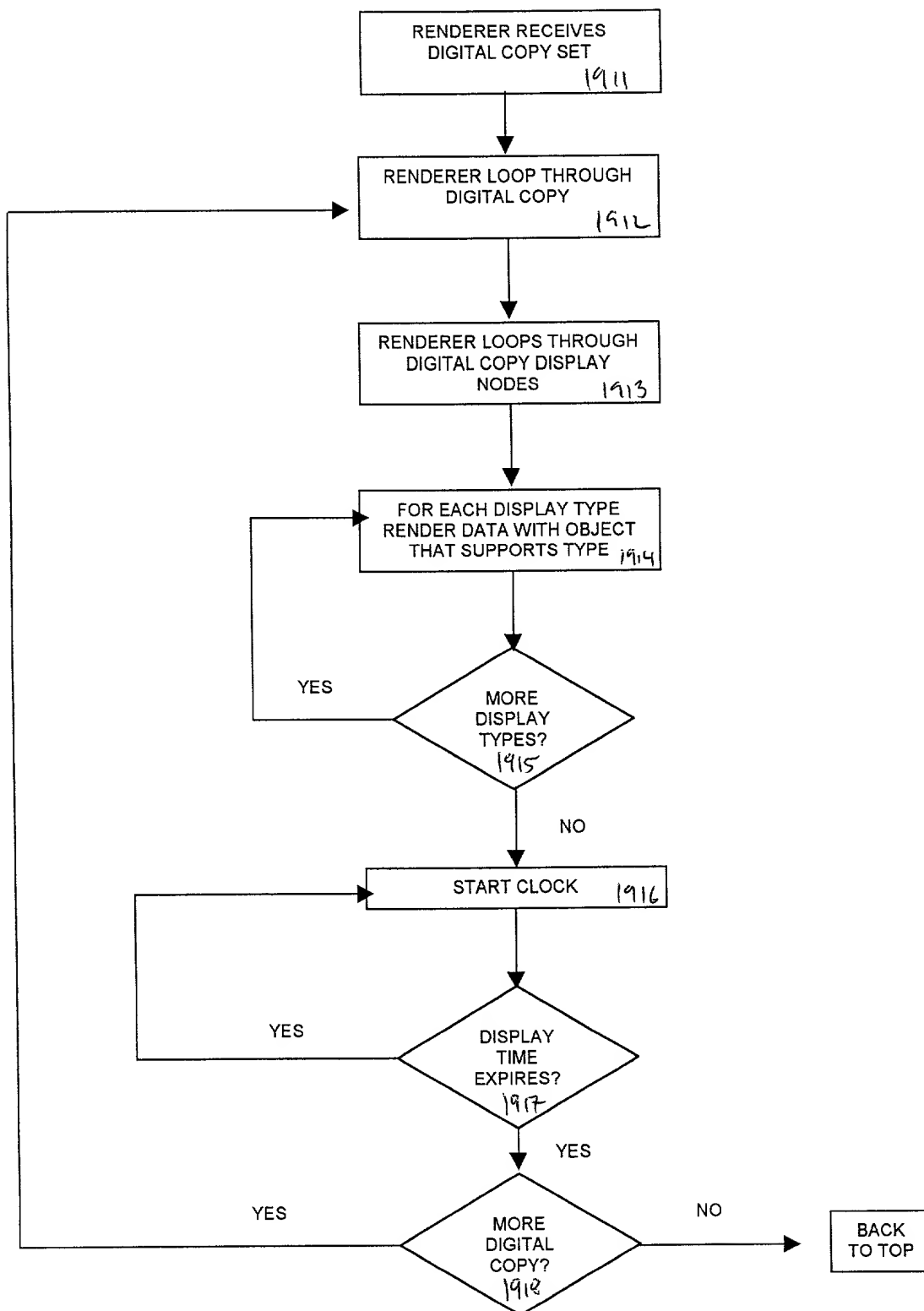
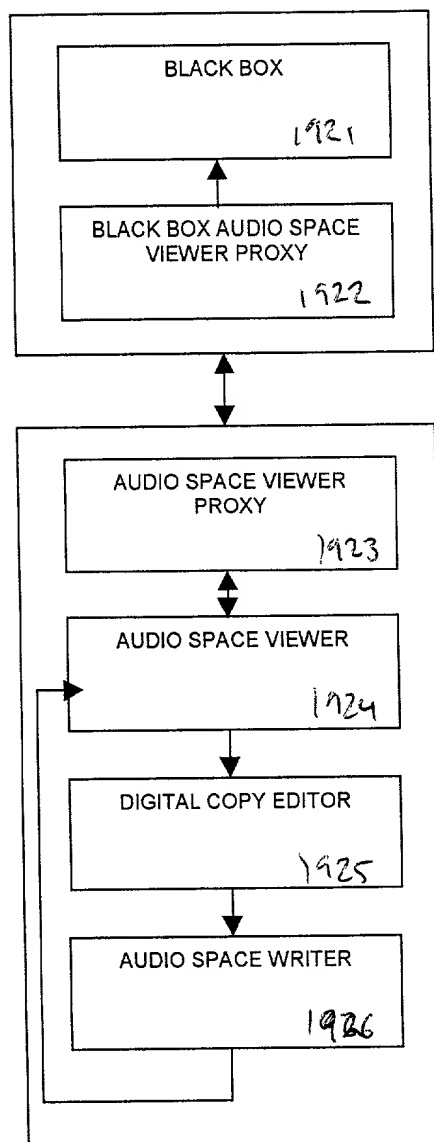


FIG. 18C



-1920

FIG. 19A

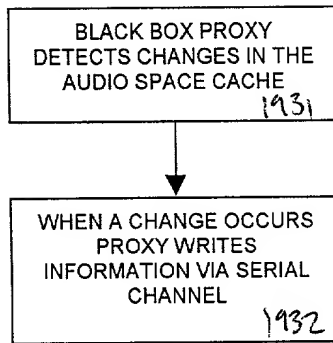


FIG. 19B

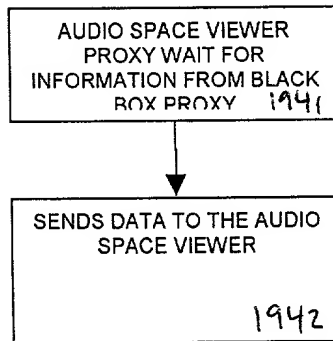


FIG. 19C

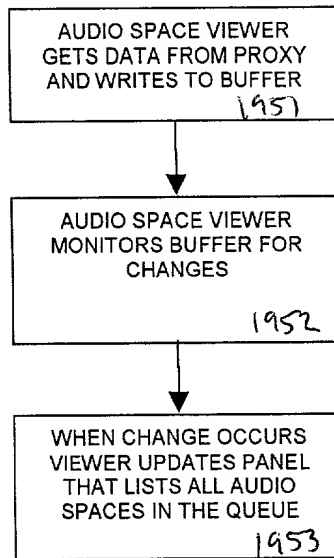


FIG. 19D

-1960

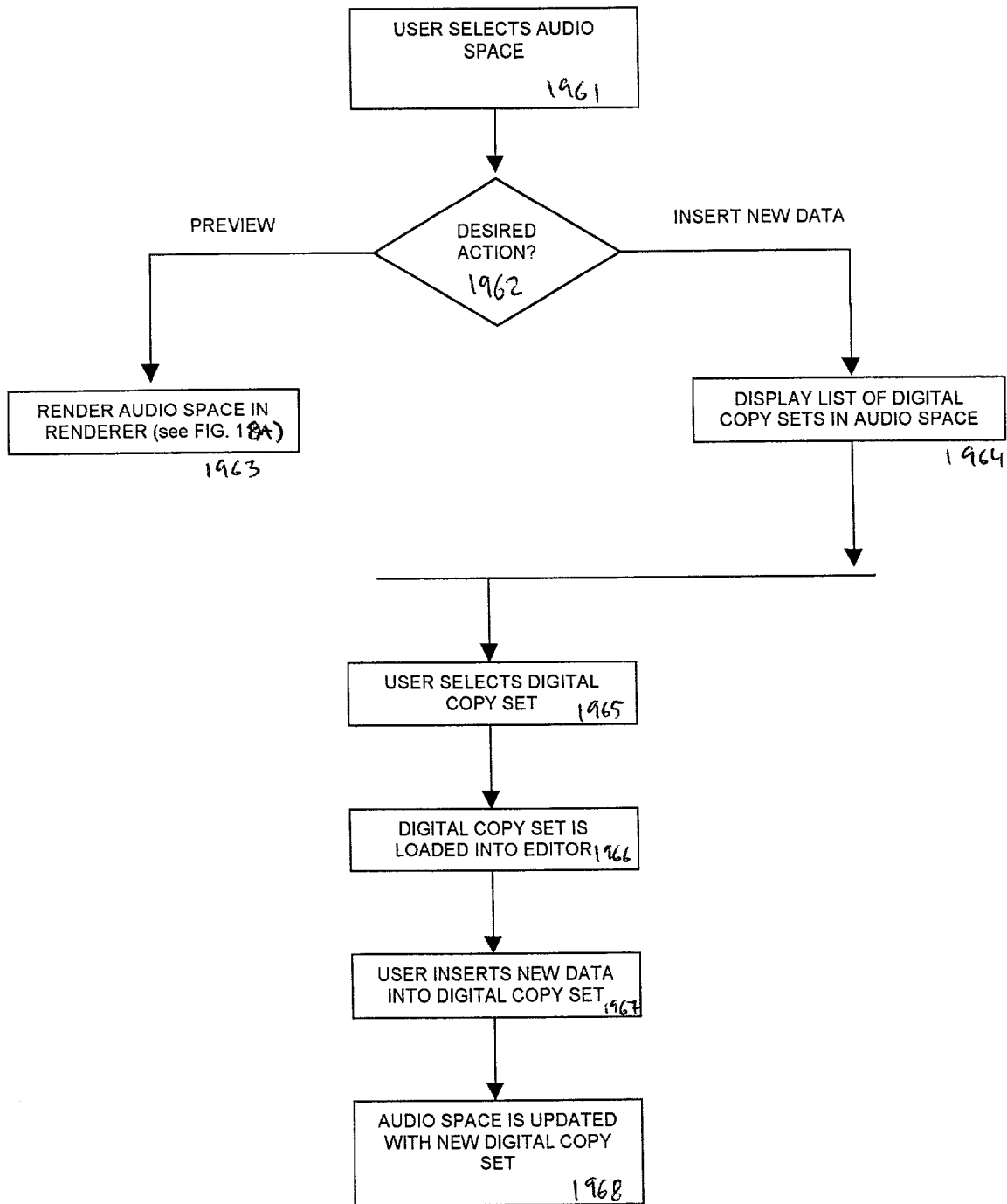


FIG. 19E

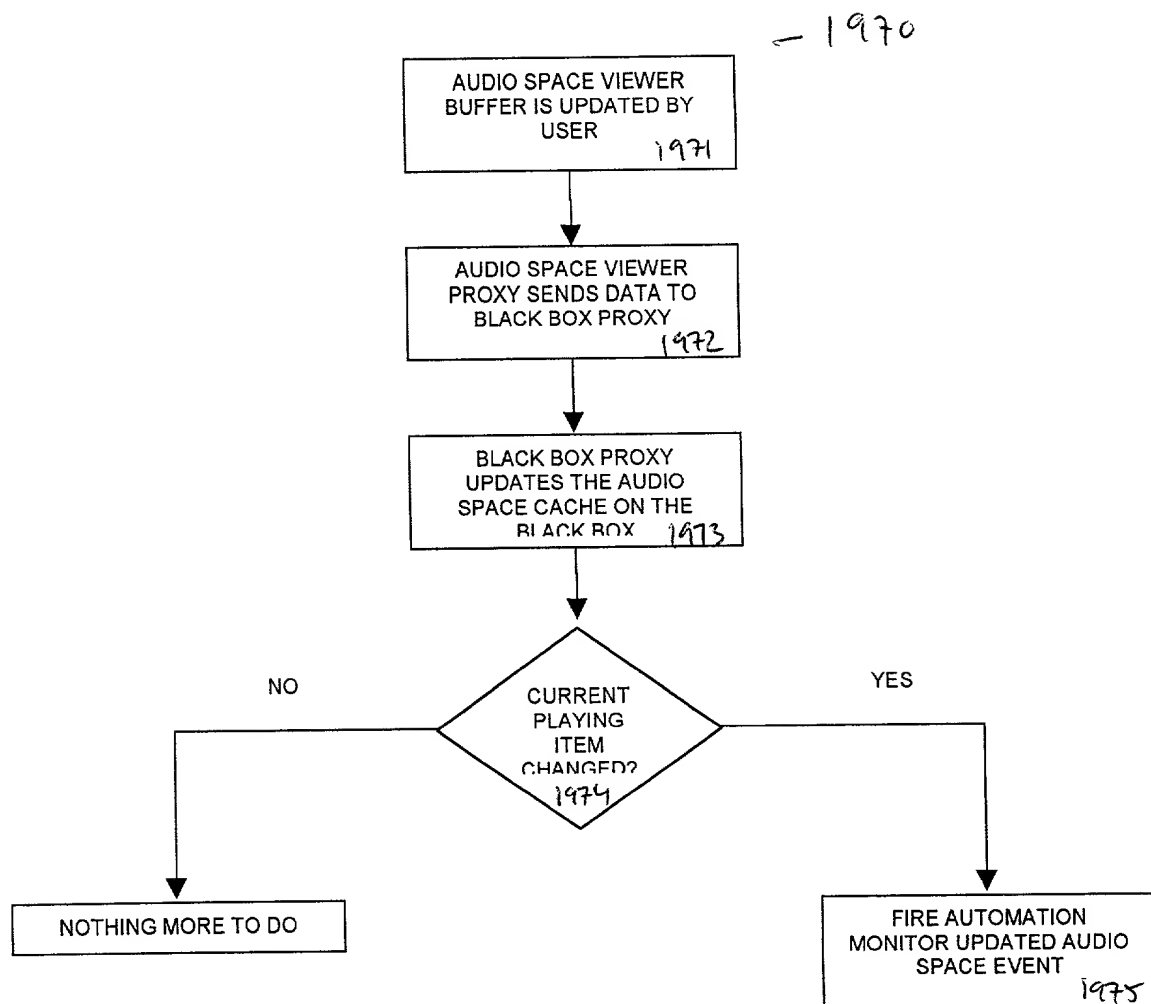


FIG. 19F

-1980

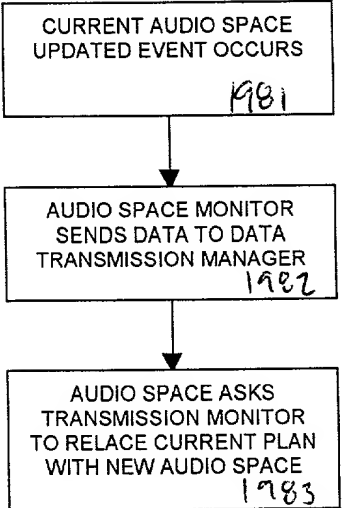


FIG. 19G

-1990

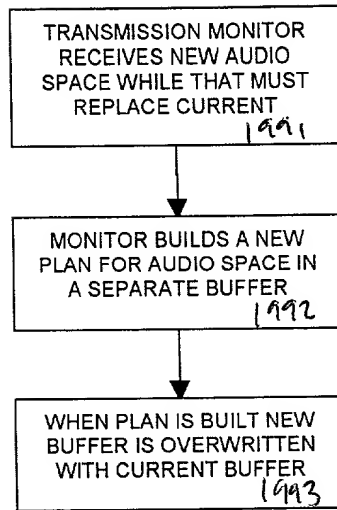


FIG. 19H

- 2000

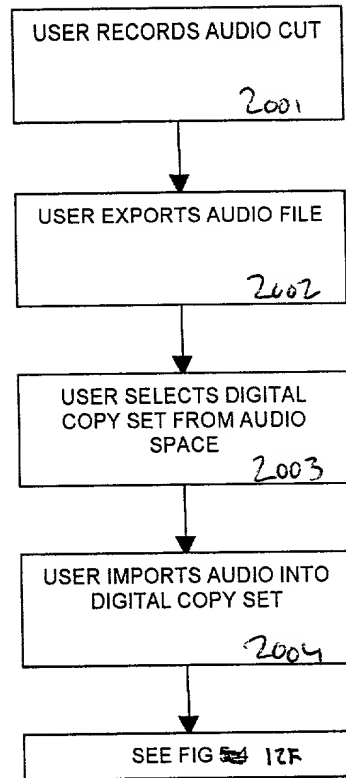


FIG. 19I

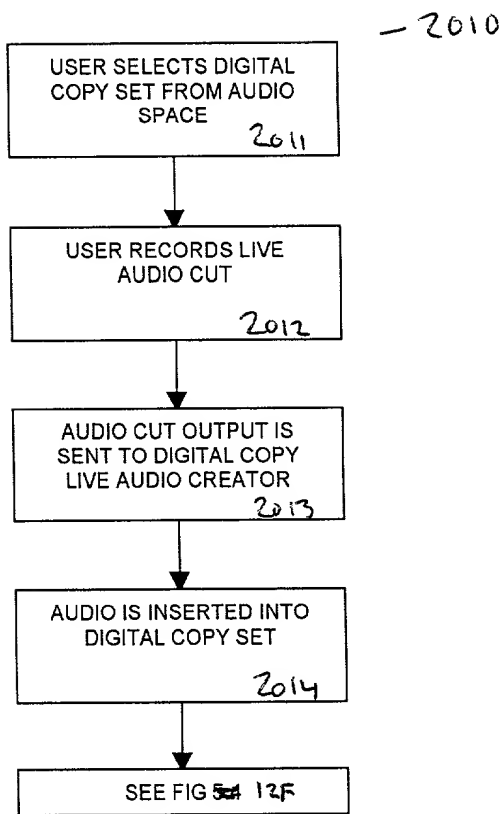


FIG. 19J

- 2020

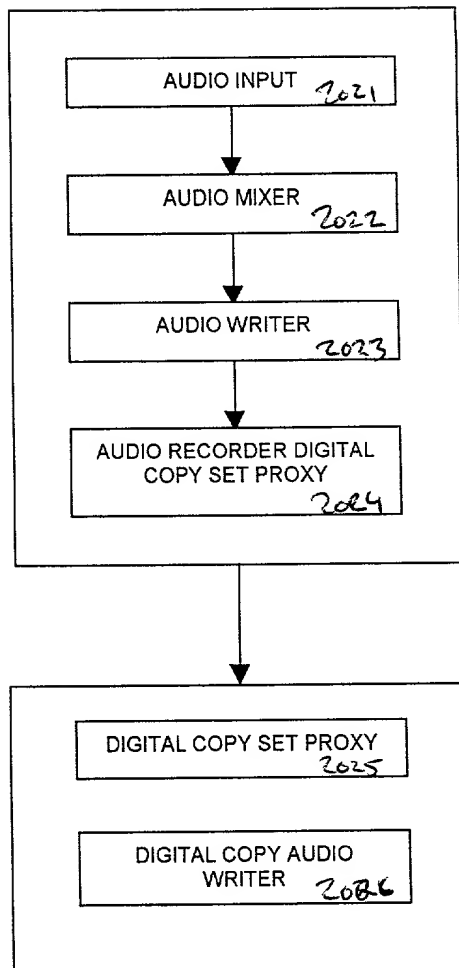


FIG. 19K

RECORDER PROXY ADDS
HEADER THAT INDICATES
FILE SIZE AND MEDIA TYPE

2031

RECORDER PROXY SENDS
AUDIO OVER A
COMMUNICATION CHANNEL
TO THE DIGITAL COPY SET
EDITOR PROXY

2032

DIGITAL COPY SET AUDIO
WRITER READS AUDIO
DATA AND SERIALIZES
INFORMATION INTO A
DIGITAL COPY DISPLAY
NODE

2033

WRITER SET DISPLAY TYPE
INFORMATION TO MATCH
MEDIA TYPE

2034

FIG. 19L

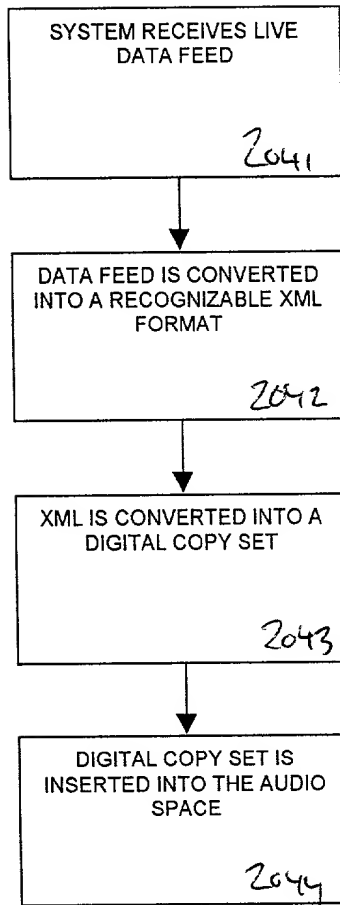


FIG. 19M

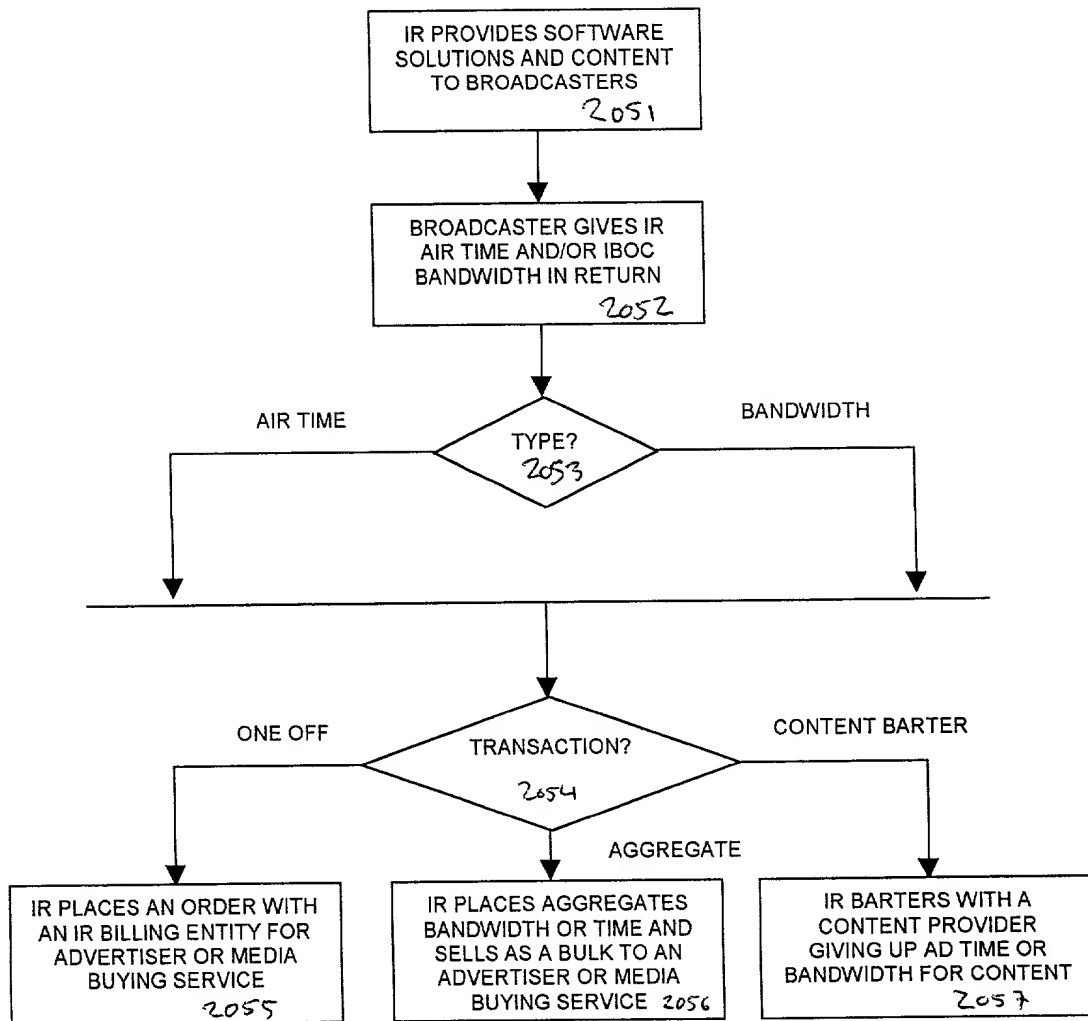


FIG. 20